

## Math Test – No Calculator

## **25 MINUTES, 20 QUESTIONS**

Turn to Section 3 of your answer sheet to answer the questions in this section.

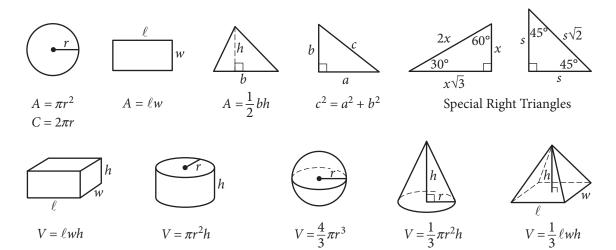
#### DIRECTIONS

For questions 1-15, solve each problem, choose the best answer from the choices provided, and fill in the corresponding circle on your answer sheet. For questions 16-20, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 16 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

#### NOTES

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- 3. Figures provided in this test are drawn to scale unless otherwise indicated.
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- 5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which f(x) is a real number.

#### REFERENCE



The number of degrees of arc in a circle is 360. The number of radians of arc in a circle is  $2\pi$ .

The sum of the measures in degrees of the angles of a triangle is 180.





Which of the following expressions is equal to 0 for some value of x ?

A) 
$$|x-1| - 1$$

- B) |x+1| + 1
- C) |1 x| + 1
- D) |x-1| + 1

### 2

$$f(x) = \frac{3}{2}x + b$$

In the function above, *b* is a constant. If f(6) = 7, what is the value of f(-2) ?

A) -5

- B) -2
- C) 1
- D) 7

4

If f(x) = -2x + 5, what is f(-3x) equal to?

 $\frac{x}{y} = 6$ 

If (x, y) is the solution to the system of equations

above, what is the value of y ?

4(y+1) = x

- A) -6x 5
- B) 6*x* + 5

A) 2

B) 4C) 12D) 24

- C) 6x 5
- D)  $6x^2 15x$



#### 3(2x+1)(4x+1)

Which of the following is equivalent to the expression above?

- A) 45x
- B)  $24x^2 + 3$
- C)  $24x^2 + 18x + 3$
- D)  $18x^2 + 6$

6

If  $\frac{a-b}{b} = \frac{3}{7}$ , which of the following must also be true?

- A)  $\frac{a}{b} = -\frac{4}{7}$
- B)  $\frac{a}{b} = \frac{10}{7}$
- $C) \quad \frac{a+b}{b} = \frac{10}{7}$

$$D) \quad \frac{a-2b}{b} = -\frac{11}{7}$$

#### 7

While preparing to run a marathon, Amelia created a training schedule in which the distance of her longest run every week increased by a constant amount. If Amelia's training schedule requires that her longest run in week 4 is a distance of 8 miles and her longest run in week 16 is a distance of 26 miles, which of the following best describes how the distance Amelia runs changes between week 4 and week 16 of her training schedule?

- A) Amelia increases the distance of her longest run by 0.5 miles each week.
- B) Amelia increases the distance of her longest run by 2 miles each week.
- C) Amelia increases the distance of her longest run by 2 miles every 3 weeks.
- D) Amelia increases the distance of her longest run by 1.5 miles each week.



#### 8

Which of the following equations represents a line that is parallel to the line with equation y = -3x + 4?

- A) 6x + 2y = 15
- B) 3x y = 7
- C) 2x 3y = 6
- D) x + 3y = 1

9

#### $\sqrt{x-a} = x-4$

If a = 2, what is the solution set of the equation above?

- A) {3,6}
- B) {2}
- C) {3}
- D) {6}

#### 10

If  $\frac{t+5}{t-5} = 10$ , what is the value of t? A)  $\frac{45}{11}$ B) 5 C)  $\frac{11}{2}$ D)  $\frac{55}{9}$ 

### 11

# x = 2y + 5y = (2x - 3)(x + 9)

How many ordered pairs (x, y) satisfy the system of equations shown above?

- A) 0
- B) 1
- C) 2
- D) Infinitely many

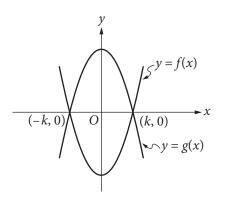


#### 12

Ken and Paul each ordered a sandwich at a restaurant. The price of Ken's sandwich was x dollars, and the price of Paul's sandwich was \$1 more than the price of Ken's sandwich. If Ken and Paul split the cost of the sandwiches evenly and each paid a 20% tip, which of the following expressions represents the amount, in dollars, each of them paid? (Assume there is no sales tax.)

- A) 0.2x + 0.2
- B) 0.5x + 0.1
- C) 1.2x + 0.6
- D) 2.4x + 1.2

13



The functions *f* and *g*, defined by  $f(x) = 8x^2 - 2$ and  $g(x) = -8x^2 + 2$ , are graphed in the *xy*-plane above. The graphs of *f* and *g* intersect at the points (*k*, 0) and (-*k*, 0). What is the value of *k* ?

- A)  $\frac{1}{4}$
- B)  $\frac{1}{2}$
- C) 1
- D) 2

#### 14

 $\frac{8-i}{3-2i}$ 

If the expression above is rewritten in the form a + bi, where *a* and *b* are real numbers, what is the value of *a* ? (Note:  $i = \sqrt{-1}$ )

A) 2

B)  $\frac{8}{3}$ 

C) 3

D)  $\frac{11}{3}$ 

15

$$x^2 - \frac{k}{2}x = 2p$$

In the quadratic equation above, k and p are constants. What are the solutions for x?

A) 
$$x = \frac{k}{4} \pm \frac{\sqrt{k^2 + 2p}}{4}$$
  
B)  $x = \frac{k}{4} \pm \frac{\sqrt{k^2 + 32p}}{4}$   
C)  $x = \frac{k}{2} \pm \frac{\sqrt{k^2 + 32p}}{2}$   
D)  $x = \frac{k}{2} \pm \frac{\sqrt{k^2 + 32p}}{4}$ 

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#### DIRECTIONS

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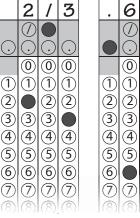
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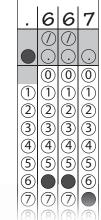
as 3.5 or 7/2. (If 3 1 / 2 is entered into the

grid, it will be interpreted as  $\frac{31}{2}$ , not  $3\frac{1}{2}$ .)

6. Decimal answers: If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.

Answer:  $\frac{7}{12}$ Answer: 2.5 Write \_\_\_\_\_ answer 7 1 2 2 5 / in boxes.  $\bigcirc$  $\overline{()}$ ← Fraction (7)line  $\bigcirc$  $\odot$ ← Decimal  $(\cdot)$ point (0) (0) (0) $(\mathbf{0})$  $(\mathbf{0})$ (1)(1)(1)(1)(1)(1)(1)(2) 2 (2) (2)22 3 (3) (3) 3 (3) (3) (3)(3) Grid in result. (4) (4) (4) (4) (4) (4) (4)(5) (5) (5) (5) (5) (5) (5) (6) 6 6 (6) 666(6) (7) $\overline{7}$ (7) $\overline{(7)}$ 7 (7)(7)(8) (8) (8) 888 (8) (8) (9) (9) (9) (9) (9) 9 (9) (9) Acceptable ways to grid  $\frac{2}{3}$  are: 3 6 66 2 / (T)()(T) $(\mathbf{0})$  $(\mathbf{0})$  $(\mathbf{0})$  $(\mathbf{0})$  $(\mathbf{0})$  $(\mathbf{0})$  $\bigcirc$  $\overline{1}$ (1)(1)(1)(1)(1)(1)(1)(1)(1)(1)2 2 2 (2) 2 (2) (2)3 3





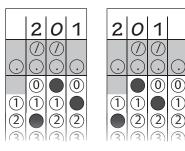
#### Answer: 201 – either position is correct

(4) (4)

<u>(</u>5)

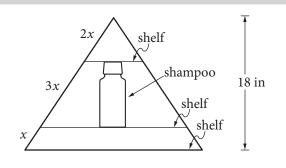
 $\overline{7}$  $\overline{7}$ 

(5)



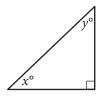
NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.





Jim has a triangular shelf system that attaches to his showerhead. The total height of the system is 18 inches, and there are three parallel shelves as shown above. What is the maximum height, in inches, of a shampoo bottle that can stand upright on the middle shelf?

#### 17



In the triangle above, the sine of  $x^{\circ}$  is 0.6. What is the cosine of  $y^{\circ}$  ?

18

$$x^3 - 5x^2 + 2x - 10 = 0$$

For what real value of x is the equation above true?



$$-3x + 4y = 20$$
$$6x + 3y = 15$$

If (x, y) is the solution to the system of equations above, what is the value of x ?

20

The mesosphere is the layer of Earth's atmosphere between 50 kilometers and 85 kilometers above Earth's surface. At a distance of 50 kilometers from Earth's surface, the temperature in the mesosphere is  $-5^{\circ}$  Celsius, and at a distance of 80 kilometers from Earth's surface, the temperature in the mesosphere is  $-80^{\circ}$  Celsius. For every additional 10 kilometers from Earth's surface, the temperature in the mesosphere decreases by  $k^{\circ}$  Celsius, where k is a constant. What is the value of k ?

## **STOP**

## If you finish before time is called, you may check your work on this section only. Do not turn to any other section.



# Math Test – Calculator

## **55 MINUTES, 38 QUESTIONS**

Turn to Section 4 of your answer sheet to answer the questions in this section.

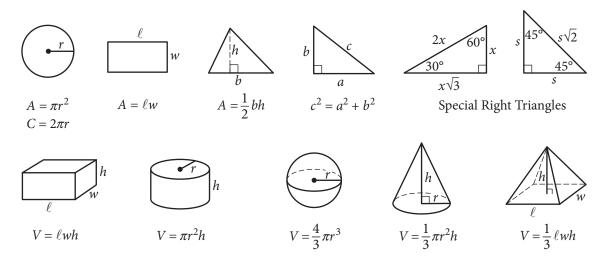
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The sum of the measures in degrees of the angles of a triangle is 180.





#### 1

The monthly membership fee for an online television and movie service is \$9.80. The cost of viewing television shows online is included in the membership fee, but there is an additional fee of \$1.50 to rent each movie online. For one month, Jill's membership and movie rental fees were \$12.80. How many movies did Jill rent online that month?

- A) 1
- B) 2
- C) 3
- D) 4

#### 2

One of the requirements for becoming a court reporter is the ability to type 225 words per minute. Donald can currently type 180 words per minute, and believes that with practice he can increase his typing speed by 5 words per minute each month. Which of the following represents the number of words per minute that Donald believes he will be able to type m months from now?

- A) 5 + 180m
- B) 225 + 5*m*
- C) 180 + 5m
- D) 180 5m

#### 3

If a 3-pound pizza is sliced in half and each half is sliced into thirds, what is the weight, in ounces, of each of the slices? (1 pound = 16 ounces)

- A) 4
- B) 6
- C) 8
- D) 16

#### 4

Nick surveyed a random sample of the freshman class of his high school to determine whether the Fall Festival should be held in October or November. Of the 90 students surveyed, 25.6% preferred October. Based on this information, about how many students in the entire 225-person class would be expected to prefer having the Fall Festival in October?

- A) 50
- B) 60
- C) 75
- D) 80



The density of an object is equal to the mass of the object divided by the volume of the object. What is the volume, in milliliters, of an object with a mass of 24 grams and a density of 3 grams per milliliter?

- A) 0.125
- 8 B)
- C) 21
- D) 72

#### 6

Last week Raul worked 11 more hours than Angelica. If they worked a combined total of 59 hours, how many hours did Angelica work last week?

A) 24

- B) 35
- C) 40
- D) 48

Movies with Greatest Ticket Sales in 2012

MPAA rating	Type of movie					
	Action	Animated	Comedy	Drama	Total	
PG	2	7	0	2	11	
PG-13	10	0	4	8	22	
R	6	0	5	6	17	
Total	18	7	9	16	50	

The table above represents the 50 movies that had the greatest ticket sales in 2012, categorized by movie type and Motion Picture Association of America (MPAA) rating. What proportion of the movies are comedies with a PG-13 rating?

- A)  $\frac{2}{25}$

9 50 B)

- $\frac{2}{11}$ C)
- D)  $\frac{11}{25}$

8

Line  $\ell$  in the *xy*-plane contains points from each of Quadrants II, III, and IV, but no points from Quadrant I. Which of the following must be true?

- A) The slope of line  $\ell$  is undefined.
- B) The slope of line  $\ell$  is zero.
- C) The slope of line  $\ell$  is positive.
- D) The slope of line  $\ell$  is negative.



	Age, in years					
Region	18 to 24	25 to 44	45 to 64	65 to 74	75 and older	Total
Northeast	2,713	8,159	10,986	3,342	2,775	27,975
Midwest	3,453	11,237	13,865	4,221	3,350	36,126
South	5,210	18,072	21,346	7,272	4,969	56,869
West	3,390	10,428	11,598	3,785	2,986	32,187
Total	14,766	47,896	57,795	18,620	14,080	153,157

## Number of Registered Voters in the United States in 2012, in Thousands

The table above shows the number of registered voters in 2012, in thousands, in four geographic regions and five age groups. Based on the table, if a registered voter who was 18 to 44 years old in 2012 is chosen at random, which of the following is closest to the probability that the registered voter was from the Midwest region?

A) 0.10

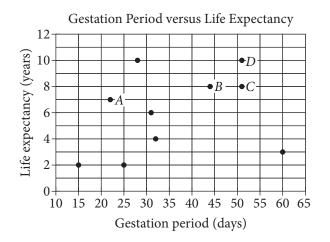
B) 0.25

C) 0.40

D) 0.75



## Questions 10 and 11 refer to the following information.



A curator at a wildlife society created the scatterplot above to examine the relationship between the gestation period and life expectancy of 10 species of animals.

#### 10

What is the life expectancy, in years, of the animal that has the longest gestation period?

- A) 3
- B) 4
- C) 8
- D) 10

#### 11

Of the labeled points, which represents the animal for which the ratio of life expectancy to gestation period is greatest?

- A) *A*
- B) *B*
- C) CD) D

12

In the *xy*-plane, the graph of function f has *x*-intercepts at -3, -1, and 1. Which of the following could define f?

- A) f(x) = (x-3)(x-1)(x+1)
- B)  $f(x) = (x-3)(x-1)^2$
- C) f(x) = (x-1)(x+1)(x+3)
- D)  $f(x) = (x+1)^2(x+3)$



The population of mosquitoes in a swamp is estimated over the course of twenty weeks, as shown in the table.

Time (weeks)	Population	
0	100	
5	1,000	
10	10,000	
15	100,000	
20	1,000,000	

Which of the following best describes the relationship between time and the estimated population of mosquitoes during the twenty weeks?

- A) Increasing linear
- B) Decreasing linear
- C) Exponential growth
- D) Exponential decay

#### 14

$$1,000 \left(1 + \frac{r}{1,200}\right)^{12}$$

The expression above gives the amount of money, in dollars, generated in a year by a \$1,000 deposit in a bank account that pays an annual interest rate of r%, compounded monthly. Which of the following expressions shows how much additional money is generated at an interest rate of 5% than at an interest rate of 3% ?

A) 
$$1,000 \left(1 + \frac{5-3}{1,200}\right)^{12}$$

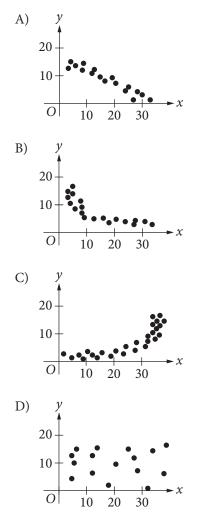
B) 
$$1,000 \left(1 + \frac{\frac{5}{3}}{1,200}\right)^{12}$$

C) 
$$\frac{1,000\left(1+\frac{5}{1,200}\right)^{12}}{1,000\left(1+\frac{3}{1,200}\right)^{12}}$$

D) 
$$1,000 \left(1 + \frac{5}{1,200}\right)^{12} - 1,000 \left(1 + \frac{3}{1,200}\right)^{12}$$



Which of the following scatterplots shows a relationship that is appropriately modeled with the equation  $y = ax^b$ , where *a* is positive and *b* is negative?



## Questions 16 and 17 refer to the following information.

Mr. Martinson is building a concrete patio in his backyard and deciding where to buy the materials and rent the tools needed for the project. The table below shows the materials' cost and daily rental costs for three different stores.

Store	Materials' Cost, <i>M</i> (dollars)	Rental cost of wheelbarrow, <i>W</i> (dollars per day)	Rental cost of concrete mixer, <i>K</i> (dollars per day)
Α	750	15	65
В	600	25	80
С	700	20	70

The total cost, *y*, for buying the materials and renting the tools in terms of the number of days, *x*, is given by y = M + (W + K)x.

16

For what number of days, *x*, will the total cost of buying the materials and renting the tools from Store B be less than or equal to the total cost of buying the materials and renting the tools from Store A ?

- A)  $x \le 6$
- B)  $x \ge 6$
- C)  $x \le 7.3$
- D)  $x \ge 7.3$



#### 17

If the relationship between the total cost, *y*, of buying the materials and renting the tools at Store C and the number of days, *x*, for which the tools are rented is graphed in the *xy*-plane, what does the slope of the line represent?

- A) The total cost of the project
- B) The total cost of the materials
- C) The total daily cost of the project
- D) The total daily rental costs of the tools

#### 18

Jim has identical drinking glasses each in the shape of a right circular cylinder with internal diameter of 3 inches. He pours milk from a gallon jug into each glass until it is full. If the height of milk in each glass is about 6 inches, what is the largest number of full milk glasses that he can pour from one gallon of milk? (Note: There are 231 cubic inches in 1 gallon.)

- A) 2
- B) 4
- C) 5
- D) 6

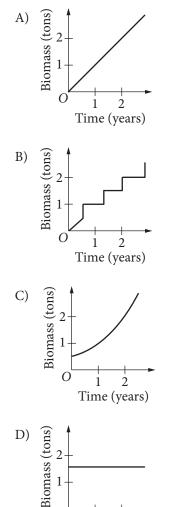
#### 19

If  $3p - 2 \ge 1$ , what is the least possible value of 3p + 2?

- A) 5
- B) 3
- C) 2
- D) 1



The mass of living organisms in a lake is defined to be the biomass of the lake. If the biomass in a lake doubles each year, which of the following graphs could model the biomass in the lake as a function of time? (Note: In each graph below, O represents (0,0).)

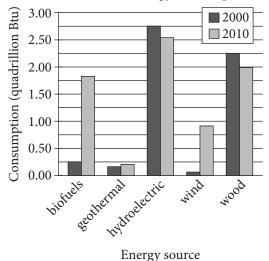




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## Questions 21 and 22 refer to the following information.

Renewable Energy Consumption



The bar graph above shows renewable energy consumption in quadrillions of British thermal units (Btu) in the United States, by energy source, for several energy sources in the years 2000 and 2010.

#### 21

In a scatterplot of this data, where renewable energy consumption in the year 2000 is plotted along the *x*-axis and renewable energy consumption in the year 2010 is plotted along the *y*-axis for each of the given energy sources, how many data points would be above the line y = x?

- A) 1
- B) 2
- C) 3
- D) 4



#### 22

Of the following, which best approximates the percent decrease in consumption of wood power in the United States from 2000 to 2010 ?

- A) 6%
- B) 11%
- C) 21%
- D) 26%

#### 23

The tables below give the distribution of high temperatures in degrees Fahrenheit (°F) for City A and City B over the same 21 days in March.

City	А
------	---

Temperature (°F)	Frequency		
80	3		
79	14		
78	2		
77	1		
76	1		

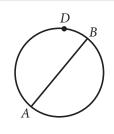


Temperature (°F)	Frequency	
80	6	
79	3	
78	2	
77	4	
76	6	

Which of the following is true about the data shown for these 21 days?

- A) The standard deviation of temperatures in City A is larger.
- B) The standard deviation of temperatures in City B is larger.
- C) The standard deviation of temperatures in City A is the same as that of City B.
- D) The standard deviation of temperatures in these cities cannot be calculated with the data provided.





In the circle above, segment *AB* is a diameter. If the length of arc  $\widehat{ADB}$  is  $8\pi$ , what is the length of the radius of the circle?

A) 2

- B) 4
- C) 8
- D) 16

#### 25

$$f(x) = 2x^{3} + 6x^{2} + 4x$$
$$g(x) = x^{2} + 3x + 2$$

The polynomials f(x) and g(x) are defined above. Which of the following polynomials is divisible by 2x + 3?

A) h(x) = f(x) + g(x)B) p(x) = f(x) + 3g(x)

- C) r(x) = 2f(x) + 3g(x)
- D) s(x) = 3f(x) + 2g(x)

26

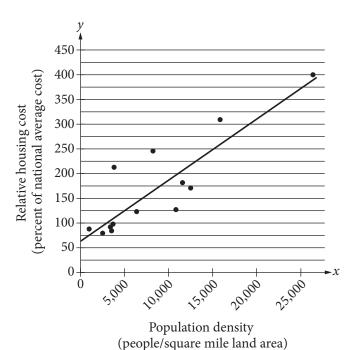
Let x and y be numbers such that -y < x < y. Which of the following must be true?

- I. |x| < y
- II. x > 0
- III. y > 0
- A) I only
- B) I and II only
- C) I and III only
- D) I, II, and III



#### 27

The relative housing cost for a US city is defined to be the ratio  $\frac{\text{average housing cost for the city}}{\text{national average housing cost}}$ , expressed as a percent.



The scatterplot above shows the relative housing cost and the population density for several large US cities in the year 2005. The line of best fit is also shown and has equation y = 0.0125x + 61. Which of the following best explains how the number 61 in the equation relates to the scatterplot?

- A) In 2005, the lowest housing cost in the United States was about \$61 per month.
- B) In 2005, the lowest housing cost in the United States was about 61% of the highest housing cost.
- C) In 2005, even in cities with low population densities, housing costs were never below 61% of the national average.
- D) In 2005, even in cities with low population densities, housing costs were likely at least 61% of the national average.



28

$$f(x) = (x+6)(x-4)$$

Which of the following is an equivalent form of the function f above in which the minimum value of f appears as a constant or coefficient?

- A)  $f(x) = x^2 24$
- B)  $f(x) = x^2 + 2x 24$

C) 
$$f(x) = (x-1)^2 - 21$$

D)  $f(x) = (x+1)^2 - 25$ 



If x is the average (arithmetic mean) of m and 9, y is the average of 2m and 15, and z is the average of 3m and 18, what is the average of x, y, and z in terms of m?

- A) *m* + 6
- B) *m* + 7
- C) 2m + 14
- D) 3m + 21

30 5 4 3 2 -1 - x -5 -3 -2 -1 3 -4-1+ 1 2 4 5 -2 F3

The function  $f(x) = x^3 - x^2 - x - \frac{11}{4}$  is graphed in the *xy*-plane above. If *k* is a constant such that the equation f(x) = k has three real solutions, which of the following could be the value of *k* ?

A) 2
B) 0
C) -2
D) -3



#### DIRECTIONS

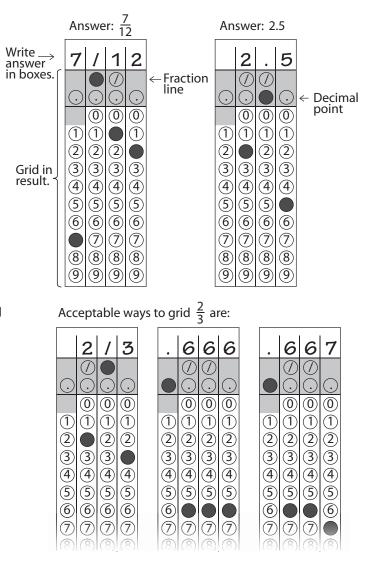
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- Some problems may have more than one correct answer. In such cases, grid only one answer.
- 5. Mixed numbers such as  $3\frac{1}{2}$  must be gridded

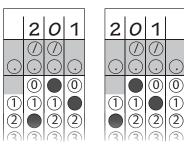
as 3.5 or 7/2. (If 31/2) is entered into the

grid, it will be interpreted as  $\frac{31}{2}$ , not  $3\frac{1}{2}$ .)

 Decimal answers: If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.



#### Answer: 201 - either position is correct



NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.



#### 31

A partially filled pool contains 600 gallons of water. A hose is turned on, and water flows into the pool at the rate of 8 gallons per minute. How many gallons of water will be in the pool after 70 minutes?

#### 33

The *pes*, a Roman measure of length, is approximately equal to 11.65 inches. It is also equivalent to 16 smaller Roman units called digits. Based on these relationships, 75 Roman digits is equivalent to how many <u>feet</u>, to the nearest hundredth? (12 inches = 1 foot)

#### 32

The normal systolic blood pressure *P*, in millimeters of mercury, for an adult male *x* years old can be modeled by the equation  $P = \frac{x + 220}{2}$ . According to the model, for every increase of 1 year in age, by how many millimeters of mercury will the normal systolic blood pressure for an adult male increase?

#### 34

In a study of bat migration habits, 240 male bats and 160 female bats have been tagged. If 100 more female bats are tagged, how many more male bats must be tagged so that  $\frac{3}{5}$  of the total number of bats in the study are male?

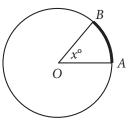


35

$$q = \frac{1}{2}nv^2$$

The dynamic pressure q generated by a fluid moving with velocity  $\nu$  can be found using the formula above, where n is the constant density of the fluid. An aeronautical engineer uses the formula to find the dynamic pressure of a fluid moving with velocity  $\nu$ and the same fluid moving with velocity 1.5 $\nu$ . What is the ratio of the dynamic pressure of the faster fluid to the dynamic pressure of the slower fluid?

#### 36



Note: Figure not drawn to scale.

In the figure above, the circle has center *O* and has radius 10. If the length of arc  $\widehat{AB}$  (shown in bold) is between 5 and 6, what is one possible <u>integer</u> value of *x* ?



## Questions 37 and 38 refer to the following information.

The stock price of one share in a certain company is worth \$360 today. A stock analyst believes that the stock will lose 28 percent of its value each week for the next three weeks. The analyst uses the equation  $V = 360(r)^t$ to model the value, *V*, of the stock after *t* weeks.

#### 37

What value should the analyst use for r?

#### 38

To the nearest dollar, what does the analyst believe the value of the stock will be at the end of three weeks? (Note: Disregard the \$ sign when gridding your answer.)

## **STOP**

## If you finish before time is called, you may check your work on this section only. Do not turn to any other section.

YOUR NAME (PRINT)			
	LAST	FIRST	MI
TEST CENTER			
	NUMBER	NAME OF TEST CENTER	ROOM NUMBER

## The SAT

#### **GENERAL DIRECTIONS**

- You may work on only one section at a time.
- If you finish a section before time is called, check your work on that section. You may NOT turn to any other section.

#### MARKING ANSWERS

Be sure to mark your answer sheet properly.

COMPLETE MARK **EXAMPLES OF** 



- You must use a No. 2 pencil.
- Carefully mark only one answer for each question.
- Make sure you fill the entire circle darkly and completely.
- Do not make any stray marks on your answer sheet.
- If you erase, do so completely. Incomplete erasures may be scored as intended answers.
- Use only the answer spaces that correspond to the question numbers.

#### **USING YOUR TEST BOOK**

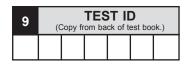
- You may use the test book for scratch work, but you will not receive credit for anything that you write in your test book.
- After time has been called, you may not transfer answers from your test book to your answer sheet or fill in circles.
- You may not fold or remove pages or portions of a page from this book, or take the book or answer sheet from the testing room.

#### SCORING

- For each correct answer, you receive one point.
- You do not lose points for wrong answers; therefore, you should try to answer every question even if you are not sure of the correct answer.

### IMPORTANT

The codes below are unique to your test book. Copy them on your answer sheet in boxes 8 and 9 and fill in the corresponding circles exactly as shown.



8	FORM CODE					
	(Copy and grid as on back of test book.)					
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Follow this link for more information on scoring your practice test: www.sat.org/scoring

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### DO NOT OPEN THIS BOOK UNTIL THE SUPERVISOR TELLS YOU TO DO SO.