Name: _____   **Date:** _____

1. Lacy bought a T-shirt and shoes for a total of $55.00. The shoes cost $39.95. Which equation could be used to find t, the cost of the T-shirt?

   A. $t + \$39.95 = \$55.00$

   B. $t - \$39.95 = \$55.00$

   C. $t + \$55.00 = \$39.95$

   D. $t - \$55.00 = \$39.95$

2. Alfredo bought 3 new notebooks for school. He paid $2.49 for all the notebooks. Which equation can be used to find n, the cost of each notebook?

   A. $3n = 2.49$ B. $2.49n = 3$

   C. $2.49 + n = 3$ D. $3 + n = 2.49$

3. Courtney has to answer this question correctly for her team to win the math review game.

   > If a cornstalk grows 8 inches every month, how many months (m) will it take for the cornstalk to be 70 inches tall?

   Which equation can be used to solve this problem?

   A. $m + 8 = 70$ B. $m - 8 = 70$

   C. $8m = 70$ D. $\dfrac{m}{8} = 70$

4. Santos has a job after school. He earns $8 per hour. Which equation will determine h, the number of hours he needs to work to earn $44?

   A. $h - 8 = 44$ B. $8h = 44$

   C. $8 + h = 44$ D. $\dfrac{h}{2} = 44$

5. Ellen had some change in her pocket. After her friend gave her $0.45, Ellen had $1.35 altogether. Which equation can she use to find the original amount of money, m, she had in her pocket?

   A. $m + 0.45 = 1.35$ B. $1.35 = m - 0.45$

   C. $m = 1.35 \times 0.45$ D. $m + 1.35 = 0.45$

6. Which of the following tables contains only pairs of numbers that satisfy the equation $y = 5x - 1$?

   A.
x	y
−2	−7
0	−1
2	5

   B.
x	y
−2	−11
0	−1
2	9

   C.
x	y
−2	−11
0	1
2	4

   D.
x	y
−2	−9
0	1
2	11

7. Mona used a rule to create the table of values below.

(n)	(b)
3	57
4	76
5	95
6	114

   Which of the following rules do the values for n and b in the table satisfy?

   A. $b = 19 + n$ B. $b = 18 + n$

   C. $b = 19n$ D. $b = 18n$

8. Conrad used a table to show how much money he saved compared to how much money he earned.

Money Earned	7	11	13	18
Money Saved	2	6	8	13

If E represents the amount of money earned, which number sentence states the rule used to determine the amount Conrad saved?

A. $E - 5$ B. $E + 5$ C. $E \times 5$ D. $E \div 5$

9. Which table contains only coordinates of points that appear to be on the line shown below?
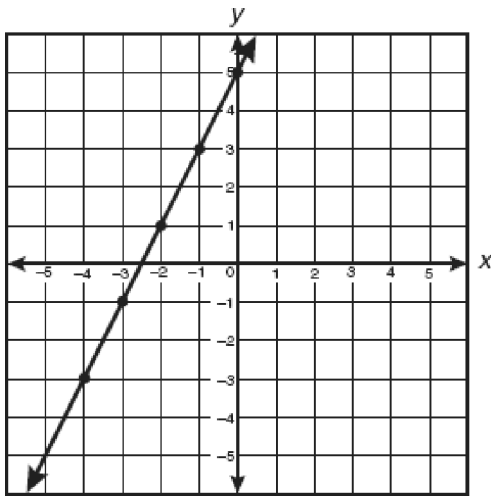
A.
x	y
0	4
1	3
2	1

B.
x	y
−1	3
−3	−1
−4	−3

C.
x	y
0	−4
−1	−3
−2	−1

D.
x	y
3	−1
−3	−1
−4	−3

10. What is the solution to the inequality $x - 5 > 14$?

A. $x > 9$ B. $x > 19$

C. $x < 9$ D. $x < 19$

11. The table below shows the price of movie tickets.

MOVIE TICKET PRICES

Number of Tickets (t)	Price (p)
1	$6.50
3	$19.50
6	$39.00
8	$52.00

Which equation can be used to find the price, p, of t tickets?

A. $p = 6.50t$ B. $p = 6.50 \div t$

C. $p = 13t$ D. $p = 13 - 6.50t$

12. A go-cart has a maximum weight limit of 240 pounds. Which inequality correctly represents this weight limit, w?

A. $w \leq 240$ pounds   B. $w < 240$ pounds

C. $w \geq 240$ pounds   D. $w > 240$ pounds

13. Jason is planning to go to a concert. He has $25.00. A ticket costs $11.75. Which inequality represents the amount of money Jason can spend on refreshments?

A. $x + 11.75 \leq 25$ B. $x - 11.75 \leq 25$

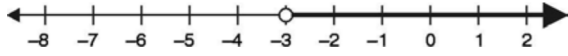C. $x + 11.75 \geq 25$ D. $x - 11.75 \geq 25$

14. Use the graph below to answer the question that follows.
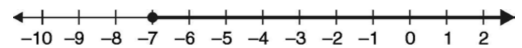
This graph is the solution set for which inequality?

A. $x - 14 > 7$ B. $x - 7 \geq 14$

C. $2x \geq -14$ D. $14x \geq -2$

15. Use the line graph below to answer the question that follows.

What is the solution set of the graph above?

A. $x < -3$ B. $x \leq -3$

C. $x > -3$ D. $x^3 - 3$