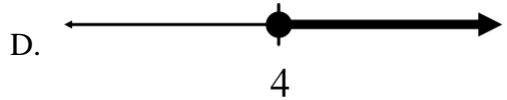
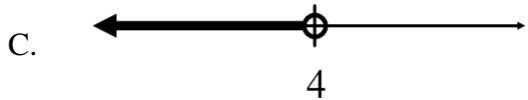
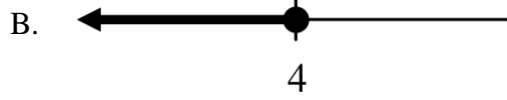
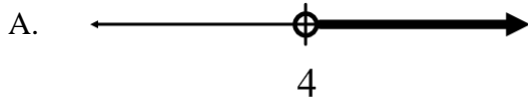


Name: _____

Mod: _____

Math Review 15

1. Which number line represents the solution set of the inequality $2x + 4 > 12$?



2. Rewrite the expression by using the distributive property: $4(6 + 7)$

A. $(6 + 7)4$

B. $46 + 47$

C. $4 \cdot 6 + 4 \cdot 7$

D. 52

3. Find the hypotenuse of a right triangle with sides 10 units and 3 units.

4. Find the equation of a line that contains the points $(-2, -3)$ and $(0, 4)$.

Express the equation in slope-intercept form.

5. Will is reviewing two different quotes to have all the rooms in his house painted. Parker Painters will charge \$500 plus \$12 per hour. Davis Painters will charge \$400 plus \$16 per hour. What is the total number of hours that both painters would need to work so that the cost would be the same?

6. Gabriel has used the following formula to compute the total amount he has spent on paper this week:

$$P = \frac{3x - 47}{5}$$

What is the value of x if $P = 147$?

- A. \$78.80
- B. \$175.50
- C. \$260.67
- D. \$323.33

7. Which function represents the sequence $-3, 4, 11, 18, \dots$?

- A. $f(x) = 7x$, where x is $0, 1, 2, 3, \dots$
- B. $f(x) = x - 3$, where x is $0, 1, 2, 3, \dots$
- C. $f(x) = 4x - 7$, where x is $0, 1, 2, 3, \dots$
- D. $f(x) = 7x - 3$, where x is $0, 1, 2, 3, \dots$

8. Which equation is equivalent to $12x + 6 = 5x$?

- A. $7x = -6$
- B. $12x = 6 - 5x$
- C. $-7x = -6$
- D. $7x = 6$

9. Circle True or False for each statement.

- a. True False If a number cannot be expressed as a fraction, then it is not rational.
- b. True False Any rational number is an integer.
- c. True False A real number is either rational or irrational, but not both.
- d. True False 3.14159 is an irrational number.

10. If the following points are joined to form a quadrilateral, which of the following best describes the quadrilateral?

$(2, 0)$, $(1, 2)$, $(3, 4)$, and $(4, 2)$

- A. square
- B. parallelogram
- C. trapezoid
- D. rectangle

