



Name \_\_\_\_\_ Date \_\_\_\_\_

## 7<sup>th</sup> Grade Readiness Screener - Fall

Questions 1-3: Multiply and divide fractions.

1.

$$\frac{2}{3} \times \frac{5}{6}$$

Answer: \_\_\_\_\_

2.

$$\frac{3}{4} \div \frac{5}{7}$$

Answer: \_\_\_\_\_

3.

$$\frac{7}{8} \div \frac{1}{2}$$

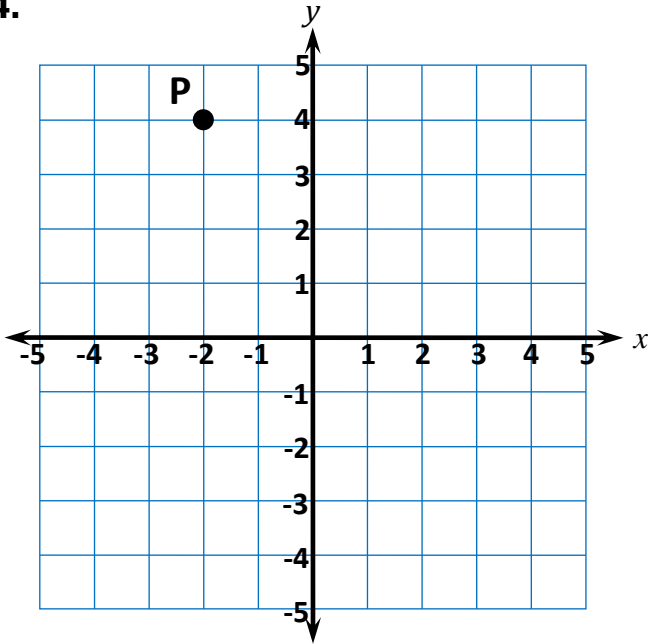
Answer: \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.

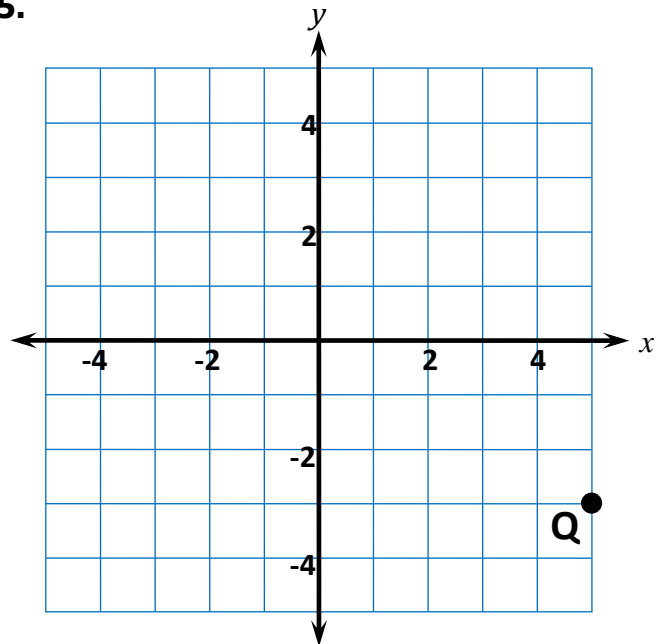
Questions 4-6: Write the ordered pair for the point.

4.



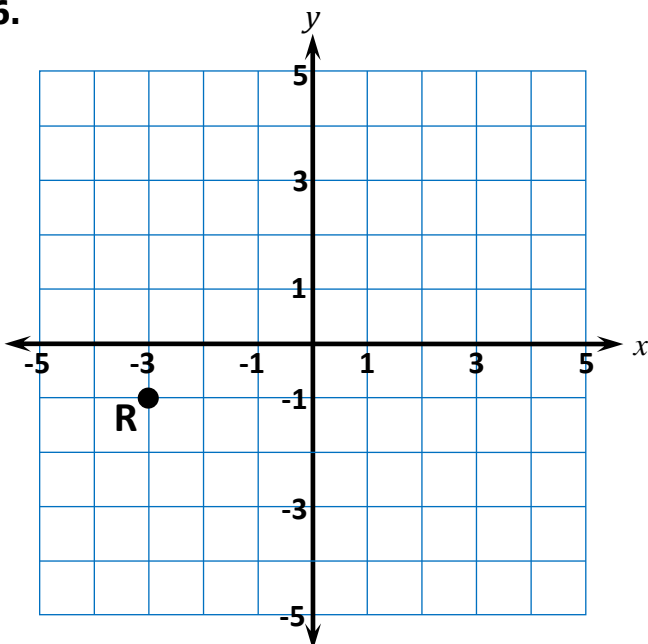
P = (      ,      )

5.



Q = (      ,      )

6.



R = (      ,      )



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(continued)

Questions 7-9: Find the equivalent expression.

7.

The product of  $x$  and 5, plus 2

- $2x + 5$         $5(x + 2)$         $5x + 2$         $x + 5 + 2$

8.

4 less than 6 times  $x$

- $4x - 6$         $6(x - 4)$         $6(4 - x)$         $6x - 4$

9.

2 times the quantity of  $x$  plus 7

- $7(x + 2)$         $2(x + 7)$         $2x + 7$         $7x + 2$



Please stop, put your pencil down and wait for the next directions.



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(continued)

**Questions 10-12:** Evaluate the expression for the given value of  $x$ .

**10.** Evaluate  $4x + 3$  for  $x = 2$ .

Answer: \_\_\_\_\_

**11.** Evaluate  $x^2 + 5$  for  $x = 3$ .

Answer: \_\_\_\_\_

**12.** Evaluate  $20 - 3x$  for  $x = 4$ .

Answer: \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.



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(continued)

Questions 13-15: Find the equivalent expression.

13.

$$x + x + x$$

- $x + 3$         $3x$         $x^3$         $3x^3$

14.

$$6x + 2 + 3x$$

- $6x + 5$         $9x + 2$         $11x^2$         $11x$

15.

$$2(x + 3)$$

- $2x + 6$         $x + 6$         $x^2 + 6$         $2x + 3$



Please stop, put your pencil down and wait for the next directions.



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(continued)

Questions 16-18: Solve the equation.

16.

$$x + 4 = 12$$

$x =$  \_\_\_\_\_

17.

$$12 = 3x$$

$x =$  \_\_\_\_\_

18.

$$\frac{1}{3}x = 6$$

$x =$  \_\_\_\_\_



Please stop, put your pencil down and wait for the next directions.