

7th Grade Readiness: Summer Post-Assessment

Questions 1-3: Multiply and divide fractions.

1.

$$\frac{3}{5} \times \frac{2}{9}$$

Answer: _____

2.

$$\frac{3}{4} \div \frac{2}{3}$$

Answer: _____

3.

$$\frac{4}{7} \div \frac{2}{5}$$

Answer: _____

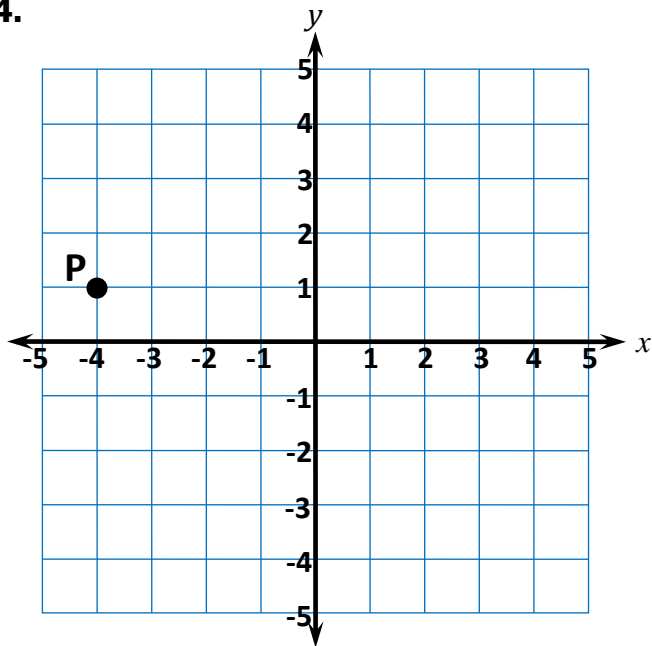


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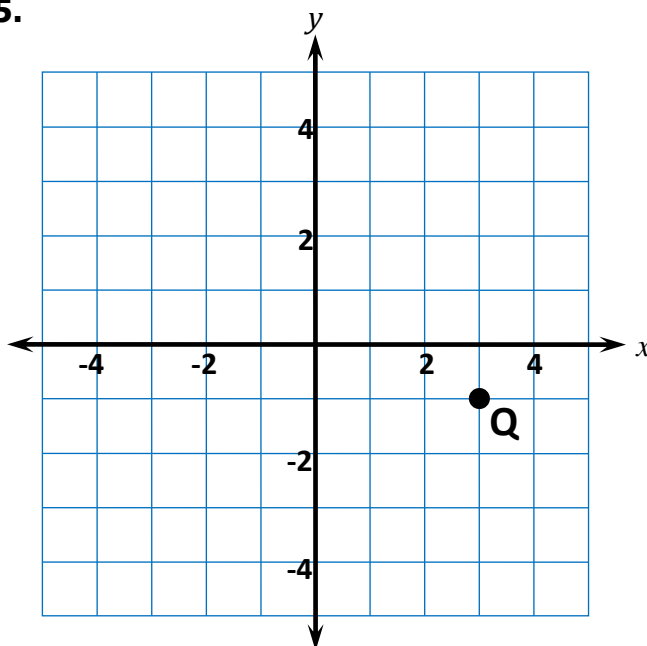
Questions 4-6: Write the ordered pair for the point.

4.



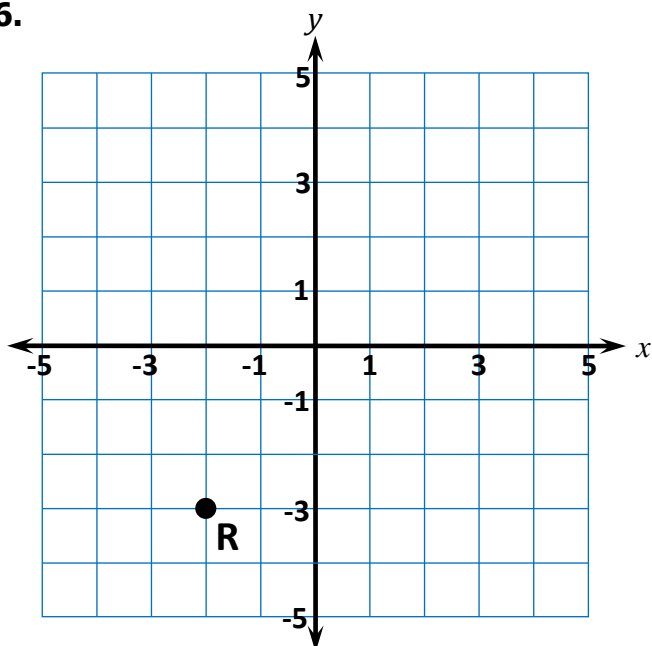
P = (,)

5.



Q = (,)

6.



R = (,)



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Questions 7-9: Find the equivalent expression.

7.

The product of x and 3, increased by 4

- $4x + 3$ $3(x + 4)$ $3x + 4$ $x + 3 + 4$

8.

5 less than 8 times x

- $8x - 5$ $5x - 8$ $8 - 5x$ $8(x - 5)$

9.

7 times the difference of x and 3

- $3x - 7$ $3(x - 7)$ $7x - 3$ $7(x - 3)$



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(continued)

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

10. Evaluate $3x + 6$ for $x = 4$.

Answer: _____

11. Evaluate $x^2 + 4$ for $x = 5$.

Answer: _____

12. Evaluate $15 - 4x$ for $x = 2$.

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.

$$x + x$$

- $2x$ $2x^2$ $x + 2$ x^2

14.

$$2x + 8 + 4x$$

- $14x$ $2x + 12$ $6x + 8$ $14x^2$

15.

$$4(x + 6)$$

- $x^4 + 10$ $4x + 24$ $4x + 6$ $x + 24$



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



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(continued)

Questions 16-18: Solve the equation.

16.

$$x + 3 = 12$$

$x =$ _____

17.

$$35 = 5x$$

$x =$ _____

18.

$$\frac{1}{2}x = 6$$

$x =$ _____



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