

# 7<sup>th</sup> Grade Readiness: Winter Progress

Questions 1-3: Multiply and divide fractions.

**1.**

$$\frac{3}{5} \times \frac{7}{9}$$

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

**2.**

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

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

**3.**

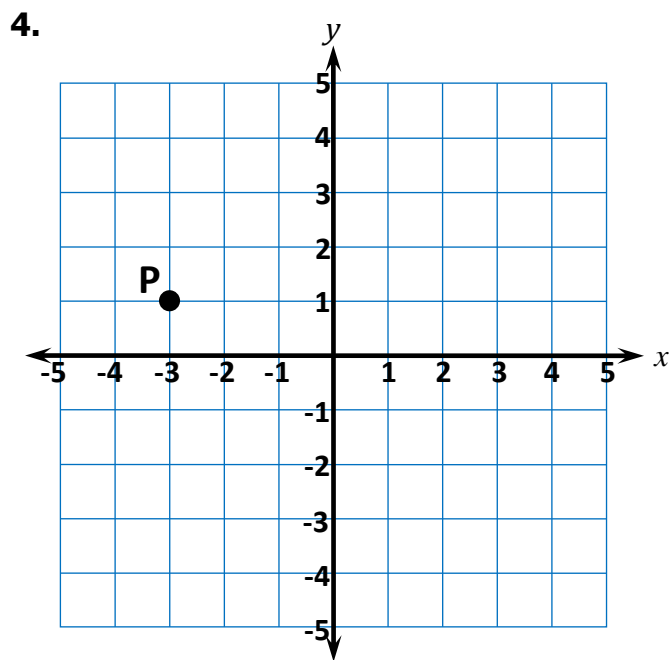
$$\frac{4}{5} \div \frac{2}{3}$$

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

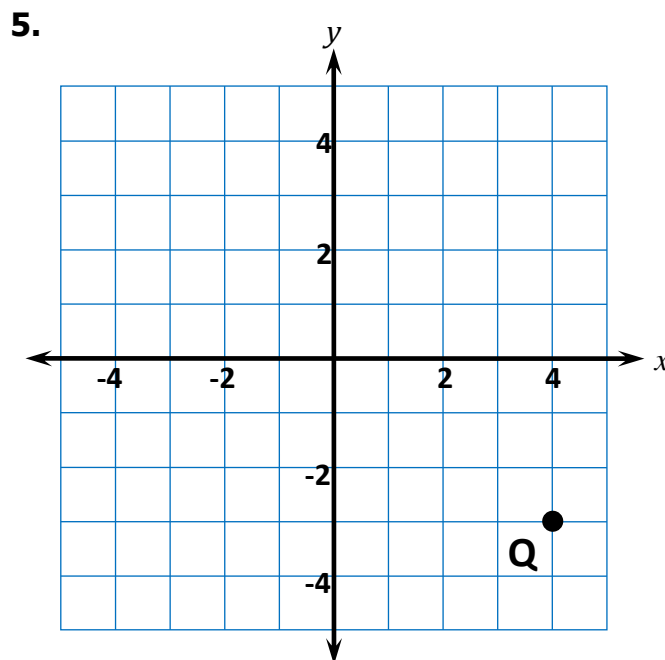


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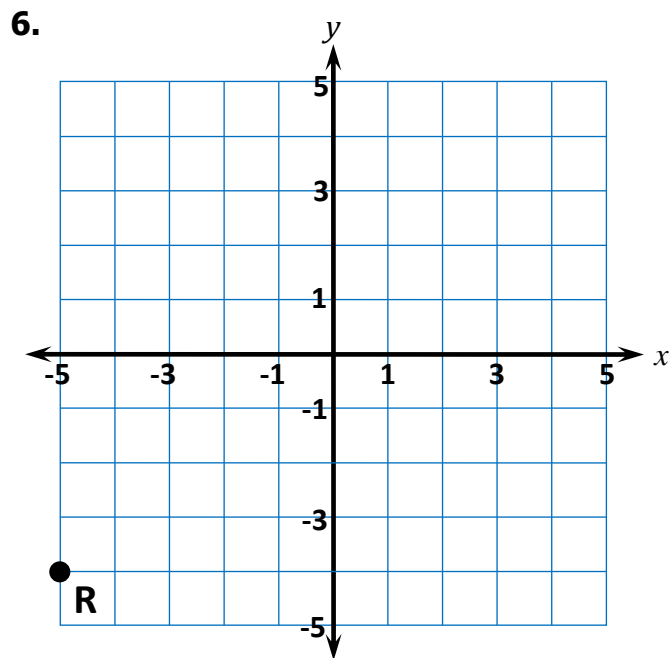
Questions 4-6: Write the ordered pair for the point.



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



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



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



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# 7<sup>th</sup> Grade Readiness: Winter Progress

(continued)

Questions 7-9: Find the equivalent expression.

7.

The product of  $x$  and 4, decreased by 3

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

8.

2 more than 3 times  $x$

- $2x + 3$         $3x + 2$         $3(x + 2)$         $2(3 + x)$

9.

3 times the difference of  $x$  and 4

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



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



# 7<sup>th</sup> Grade Readiness: Winter Progress

(continued)

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

**10.** Evaluate  $3x + 4$  for  $x = 5$ .

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

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

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

**12.** Evaluate  $18 - 4x$  for  $x = 2$ .

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



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



# 7<sup>th</sup> Grade Readiness: Winter Progress

(continued)

Questions 13-15: Find the equivalent expression.

**13.**

$$x + x$$

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

**14.**

$$5x + 3 + 2x$$

- $7x + 3$         $10x$         $10x^2$         $5x + 5$

**15.**

$$4(x + 3)$$

- $4x + 3$         $4x + 12$         $x^4 + 7$         $x + 12$



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



# 7<sup>th</sup> Grade Readiness: Winter Progress

(continued)

Questions 16-18: Solve the equation.

16.

$$x + 5 = 15$$

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

17.

$$24 = 3x$$

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

18.

$$\frac{1}{2}x = 10$$

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



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