

Name: _____ Period: _____ Date: _____

Graphing Rational Functions Exit Quiz

Find $f(x)$ given that x is the value below.

$$f(x) = \frac{5x}{3} + 1$$

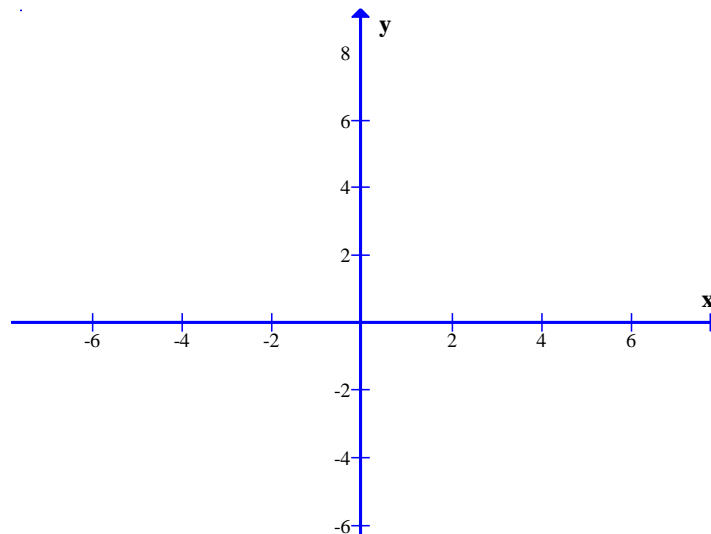
1. $x = 1$

2. $x = 2$

3. $x = -1$

4. $x = -2$

5. Draw the graph of $f(x) = \frac{5x}{3} + 1$.



Graphing Rational Functions Exit Quiz

Answer:

Find the range of the following rational functions.

$$f(x) = \frac{5x}{3} + 1$$

1. $x = 1$

Solution:

$$f(1) = \frac{5(1)}{3} + 1 = \frac{8}{3} = 2.7$$

3. $x = -1$

Solution:

$$f(-1) = \frac{5(-1)}{3} + 1 = -\frac{2}{3} = -0.7$$

2. $x = 2$

Solution:

$$f(2) = \frac{5(2)}{3} + 1 = \frac{13}{3} = 4.3$$

4. $x = -2$

Solution:

$$f(-2) = \frac{5(-2)}{3} + 1 = -\frac{7}{3} = -2.3$$

5. Draw the graph of $f(x) = \frac{5x}{3} + 1$.

