

Properties

Range

Rational Function Range

1. $\text{range } \frac{1}{x}$

2. $\text{range } \frac{2}{x}$

3. $\text{range } \frac{3}{x}$

4. $\text{range } \frac{4}{x}$

5. $\text{range } \frac{2}{3x}$

6. $\text{range } \frac{1}{2x}$

7. $\text{range } \frac{4}{x+1}$

8. $\text{range } \frac{x+1}{x-1}$

9. $\text{range } \frac{1}{x^2-3}$

10. $\text{range } \frac{x+1}{2x-1}$

Answers**Properties****Range****Rational Function Range**

$$1. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$2. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$3. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$4. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$5. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$6. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$7. f(x) < 0 \quad \text{or} \quad f(x) > 0$$

$$8. f(x) < 1 \quad \text{or} \quad f(x) > 1$$

$$9. f(x) \leq -\frac{1}{3} \quad \text{or} \quad f(x) > 0$$

$$10. f(x) < \frac{1}{2} \quad \text{or} \quad f(x) > \frac{1}{2}$$