

## Find the Domain

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

$$3. g(x) = \frac{3x-1}{(x+3)(x-1)}$$

$$2. h(x) = \frac{1}{2x} + \frac{2}{x-2}$$

$$4. f(x) = \frac{x}{x^2-5x}$$

Find the Domain

$$1. h(x) = \frac{\sqrt{4-x^2}}{x-3}$$

$$3. f(x) = \sqrt{x^4 - 16x^2}$$

$$2. g(x) = \frac{\sqrt{4-x}}{(x+1)(x^2+1)}$$

Find the Range

1.  $g(x) = 10 - x^2$

3.  $f(x) = 5 + \sqrt{4 - x}$

2.  $h(x) = \frac{x^2}{1-x^2}$

4.  $h(x) = \frac{3+x^2}{4-x^2}$