

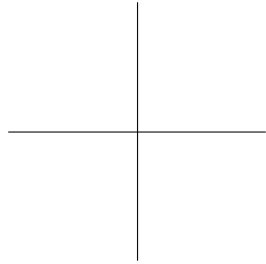
General Power Function Shapes

Activity 9.1

$$y = kx^n \text{ where } k = 1 \text{ and } n > 0$$

$$y = x^n, n \text{ even}$$

General
Shape:



Through: (1, ___), (-1, ___)

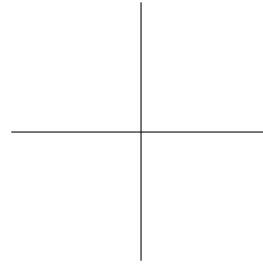
Symmetry: _____

Domain: _____

Range: _____

$$y = x^n, n \text{ odd}$$

General
Shape:



Through: (1, ___), (-1, ___)

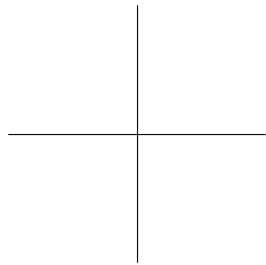
Symmetry: _____

Domain: _____

Range: _____

$$y = \frac{1}{x^n} = x^{-n}, n \text{ even}$$

General
Shape:



Through: (1, ___), (-1, ___)

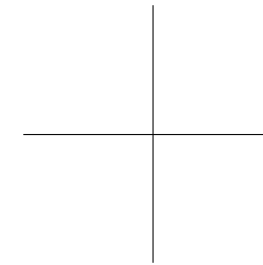
Symmetry: _____

Domain: _____

Range: _____

$$y = \frac{1}{x^n} = x^{-n}, n \text{ odd}$$

General
Shape:



Through: (1, ___), (-1, ___)

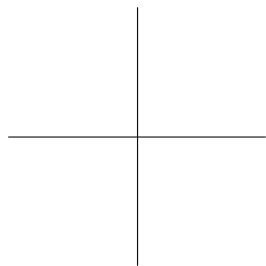
Symmetry: _____

Domain: _____

Range: _____

$$y = x^{\frac{1}{n}}, n \text{ even}$$

General
Shape:



Through: (1, ___)

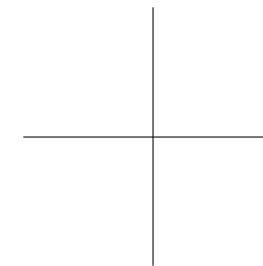
Symmetry: _____

Domain: _____

Range: _____

$$y = x^{\frac{1}{n}}, n \text{ odd}$$

General
Shape:



Through: (1, ___), (-1, ___)

Symmetry: _____

Domain: _____

Range: _____