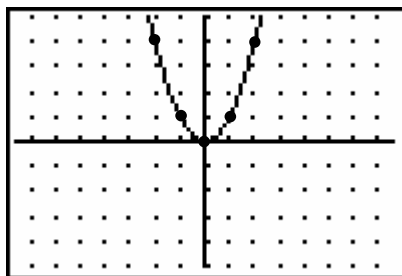


Anchor Points for Parent Function Graphs



$$f(x) = x^2$$

Anchor Points: $(-1, 1)$, $(0, 0)$, $(1, 1)$, $(-2, 4)$, $(2, 4)$

$D = \{x \mid x \in \mathbf{R}\}$ or $(-\infty, \infty)$

$R = \{x \mid x \in \mathbf{R}, x \geq 0\}$ or $[0, \infty)$

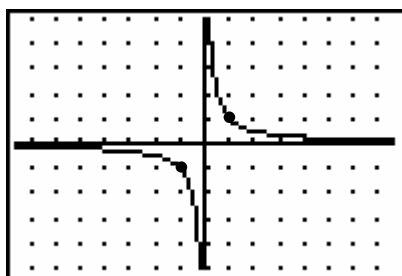


$$g(x) = \sqrt{x}$$

Anchor Points: $(0, 0)$, $(1, 1)$, $(4, 2)$

$D = \{x \mid x \in \mathbf{R}, x \geq 0\}$ or $[0, \infty)$

$R = \{x \mid x \in \mathbf{R}, x \geq 0\}$ or $[0, \infty)$



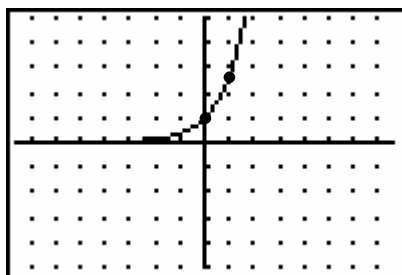
$$h(x) = \frac{1}{x}$$

Anchor Points: $(-1, 1)$, $(1, 1)$

$D = \{x \mid x \in \mathbf{R}, x \neq 0\}$ or $(-\infty, 0) \cup (0, \infty)$

$R = \{x \mid x \in \mathbf{R}, x \neq 0\}$ or $(-\infty, 0) \cup (0, \infty)$

Asymptotes: $x = 0$ and $y = 0$



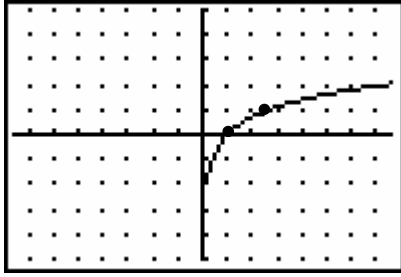
$$F(x) = e^x$$

Anchor Points: $(0, 1)$, $(1, e)$

$D = \{x \mid x \in \mathbf{R}\}$ or $(-\infty, \infty)$

$R = \{x \mid x \in \mathbf{R}, x > 0\}$ or $(0, \infty)$

Asymptote: $y = 0$



$$G(x) = \ln x$$

Anchor Points: $(1, 0), (e, 1)$

$D = \{x | x \in \mathbf{R}, x > 0\}$ or $(0, \infty)$

$R = \{x | x \in \mathbf{R}\}$ or $(-\infty, \infty)$

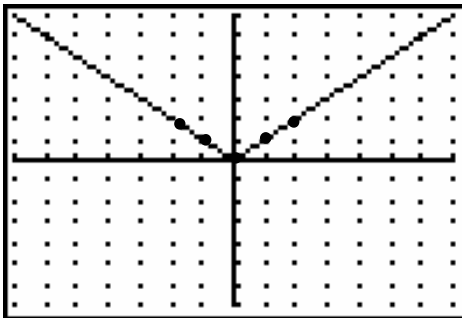


$$H(x) = x^3$$

Anchor Points: $(0, 0), (-1, -1), (1, 1), (-2, -8), (2, 8)$

$D = \{x | x \in \mathbf{R}\}$ or $(-\infty, \infty)$

$R = \{x | x \in \mathbf{R}\}$ or $(-\infty, \infty)$



$$j(x) = |x|$$

Anchor Points: $(0, 0), (-1, 1), (1, 1), (-2, 2), (2, 2)$

$D = \{x | x \in \mathbf{R}\}$ or $(-\infty, \infty)$

$R = \{x | x \in \mathbf{R}, x \geq 0\}$ or $[0, \infty)$