

Domain and Range



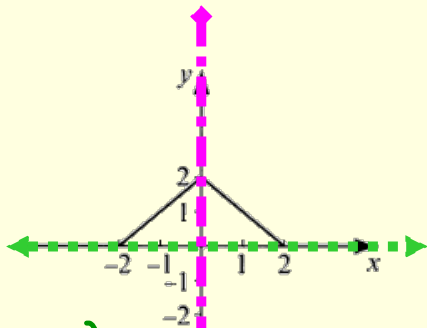
Domain: _____

Domain: _____

Range: _____

Range: _____

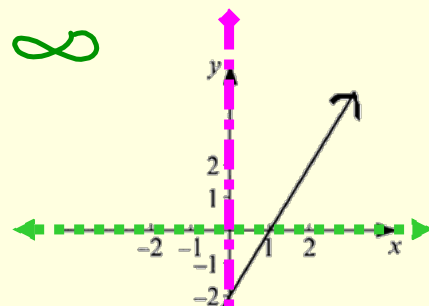
Domain and ~~Range~~



$[-2, 2]$

Domain: $-2 \leq x \leq 2$

Range: $0 \leq y \leq 2$
 $[0, 2]$

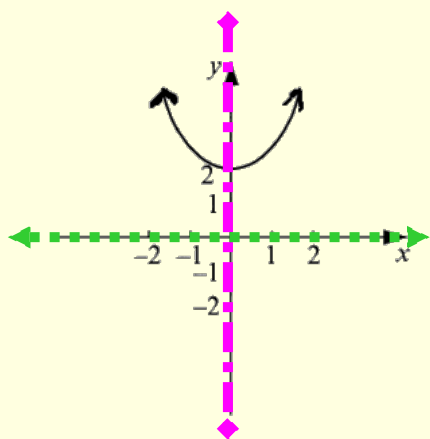


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$x \in \mathbb{R}$
 Domain: $-\infty < x < \infty$ $(-\infty, \infty)$

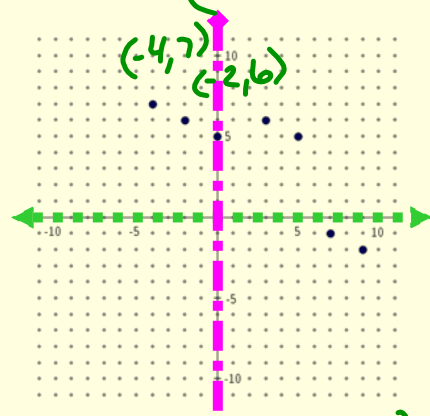
Range: $-\infty < y < \infty$
 $y \in \mathbb{R} \quad (-\infty, \infty)$

$x \in \mathbb{R}$ Domain and Range { }



Domain: $x \in \mathbb{R}$

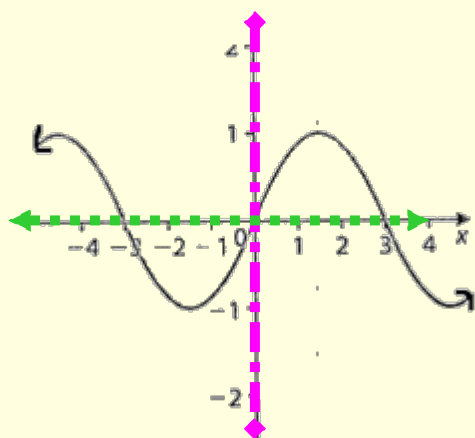
Range: $y \geq 2$



Domain: $\{-4, -2, 0, 3, 5, 7, 9\}$

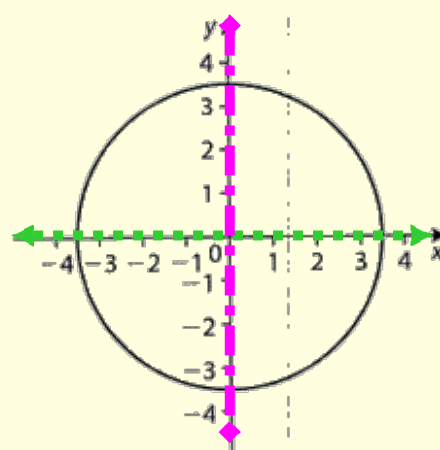
Range: $\{-2, -1, 5, 6, 7\}$

Domain and Range



Domain: $x \in \mathbb{R}$

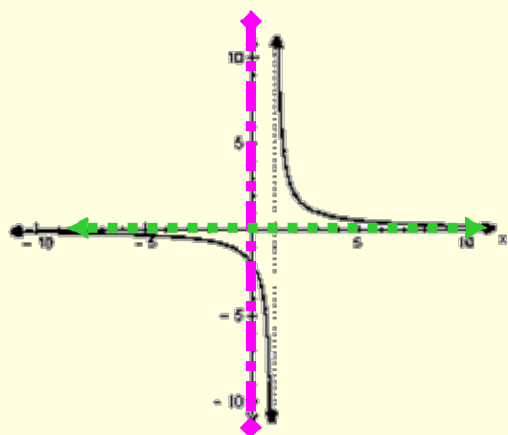
Range: $-1 \leq y \leq 1$



Domain: $-3.5 \leq x \leq 3.5$

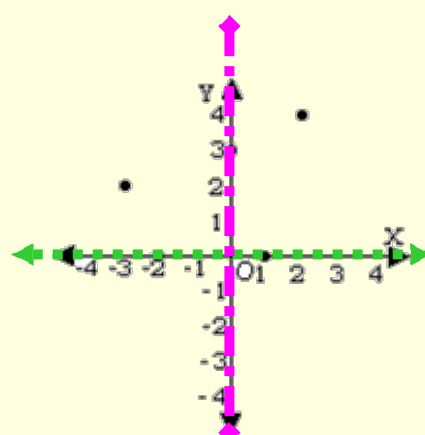
Range: $-3.5 \leq y \leq 3.5$
 $[-3.5, 3.5]$

Domain and Range



Domain: $x \in \mathbb{R}, x \neq 1$

Range: $y \in \mathbb{R}, y \neq 0$
 $(-\infty, 0) \cup (0, \infty)$



Domain: $\{-3, -2, 0, 1, 2\}$

Range: $\{0, 2, 3, 4\}$

Homework Assignment:

Punchline WS 6.5

Graphing WS