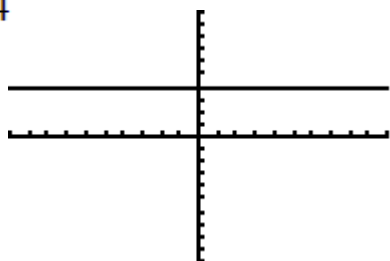


Graphing Toolkit Problem #1

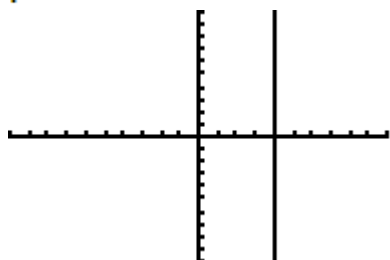
$$y = 4$$



Domain $x \in (-\infty, \infty)$

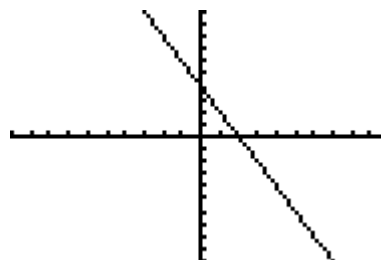
Range $y \in [4]$

$$x = 4$$



Graphing Toolkit Problem #3

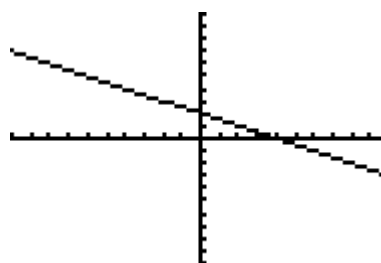
$$y = -2x + 4$$



Domain $x \in (-\infty, \infty)$

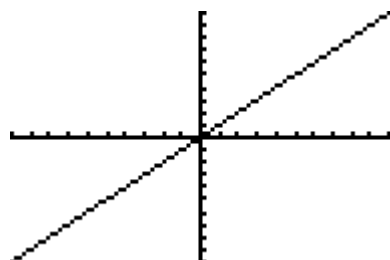
Range $x \in (-\infty, \infty)$

$$y = -\frac{1}{2}x + 2$$



Graphing Toolkit Problem #2

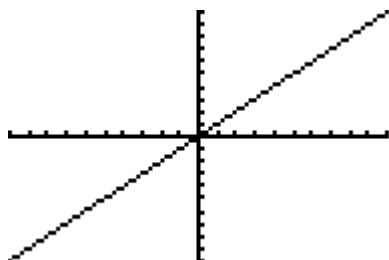
$$y = x$$



Domain $x \in (-\infty, \infty)$

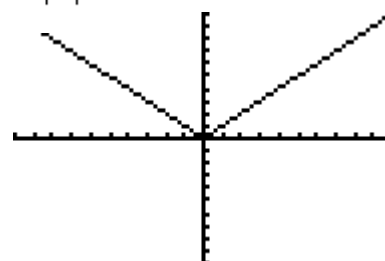
Range $y \in (-\infty, \infty)$

$$y = x$$



Graphing Toolkit Problem #4

$$y = |x|$$

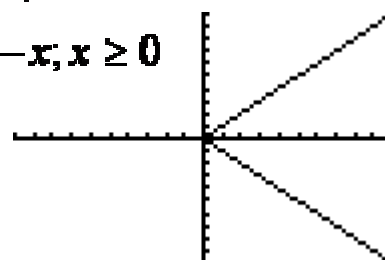


Domain $x \in (-\infty, \infty)$

Range $y \in [0, \infty)$

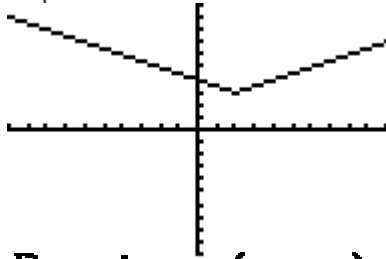
$$y = x, x \geq 0$$

$$y = -x, x \geq 0$$



Graphing Toolkit Problem #5

$$y = \frac{1}{2}|x - 2| + 3$$

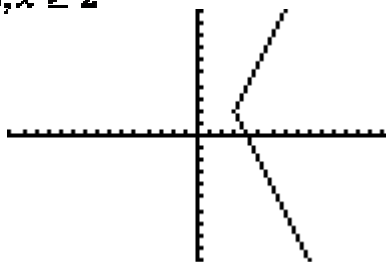


Domain $x \in (-\infty, \infty)$

Range $y \in [2, \infty)$

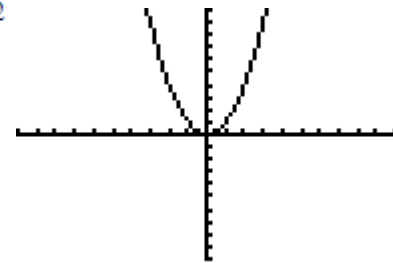
$$y = 2x - 4; x \geq 2$$

$$y = -2x + 8; x \geq 2$$



Graphing Toolkit Problem #7

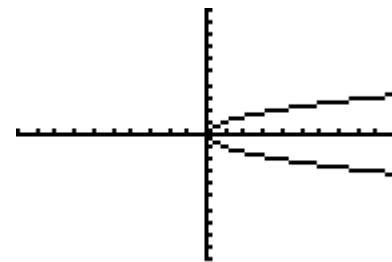
$$y = x^2$$



Domain $x \in (-\infty, \infty)$

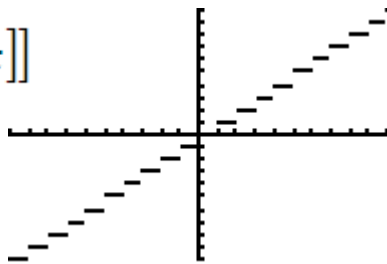
Range $y \in [0, \infty)$

$$y = \pm\sqrt{x}; x \geq 0$$



Graphing Toolkit Problem #6

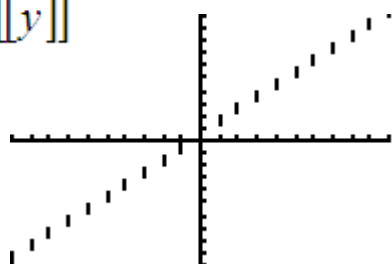
$$y = \lceil x \rceil$$



Domain $x \in (-\infty, \infty)$

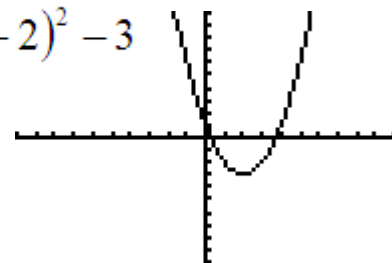
Range $y \in \text{Integers}$

$$x = \lfloor y \rfloor$$



Graphing Toolkit Problem #8

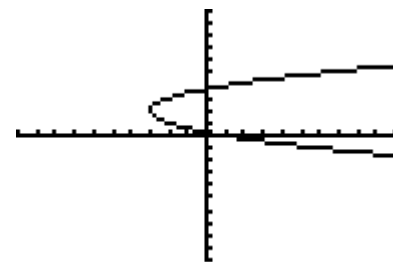
$$y = (x - 2)^2 - 3$$



Domain $x \in (-\infty, \infty)$

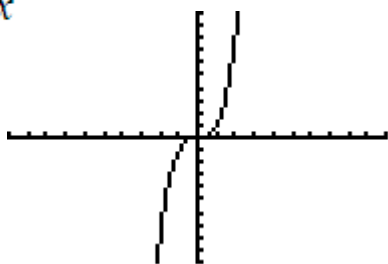
Range $y \in [-3, \infty)$

$$y = 2 \pm \sqrt{x + 3}; x \geq -3$$



Graphing Toolkit Problem #9

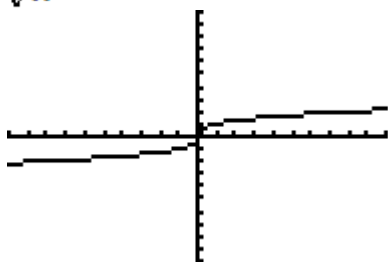
$$y = x^3$$



Domain $x \in (-\infty, \infty)$

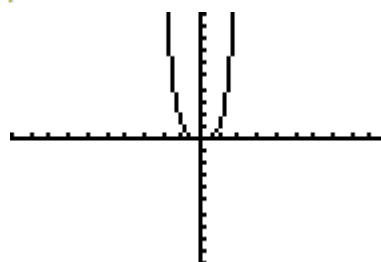
Range $y \in (-\infty, \infty)$

$$y = \sqrt[3]{x}$$



Graphing Toolkit Problem #11

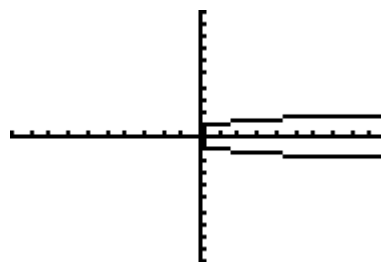
$$y = x^4$$



Domain $x \in (-\infty, \infty)$

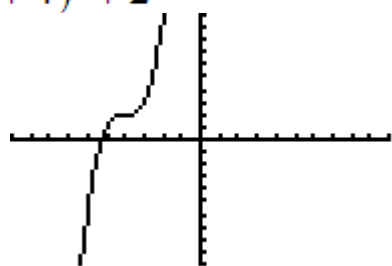
Range $y \in [0, \infty)$

$$y = \pm \sqrt[4]{x}; x \geq 0$$



Graphing Toolkit Problem #10

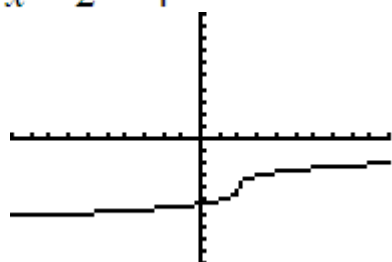
$$y = (x+4)^3 + 2$$



Domain $x \in (-\infty, \infty)$

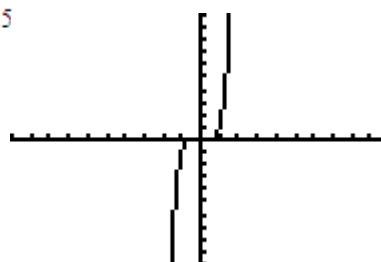
Range $y \in (-\infty, \infty)$

$$y = \sqrt[3]{x-2} - 4$$



Graphing Toolkit Problem #12

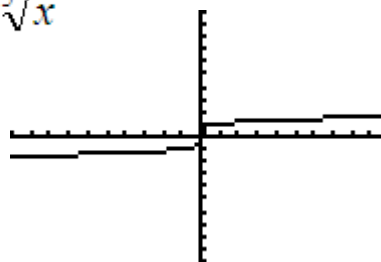
$$y = x^5$$



Domain $x \in (-\infty, \infty)$

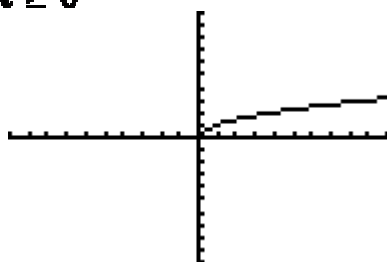
Range $y \in (-\infty, \infty)$

$$y = \sqrt[5]{x}$$



Graphing Toolkit Problem #13

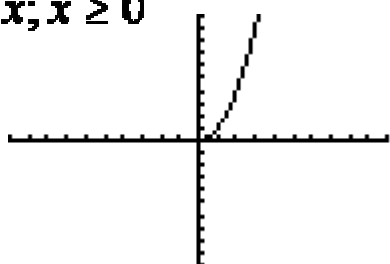
$$y = x^2; x \geq 0$$



Domain $x \in (0, \infty)$

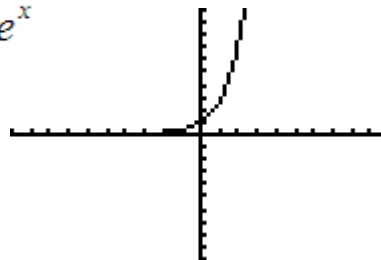
Range $y \in (0, \infty)$

$$y = \sqrt{x}; x \geq 0$$



Graphing Toolkit Problem #15

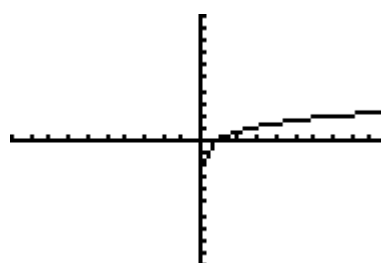
$$y = e^x$$



Domain $x \in (-\infty, \infty)$

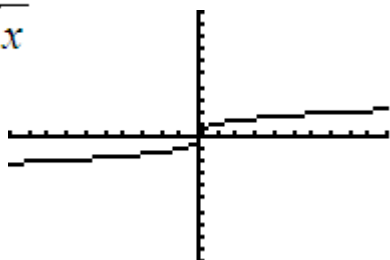
Range $y \in (0, \infty)$

$$y = \ln x; x \geq 0$$



Graphing Toolkit Problem #14

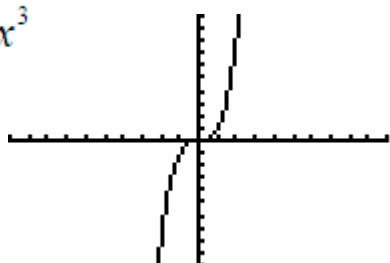
$$y = \sqrt[3]{x}$$



Domain $x \in (-\infty, \infty)$

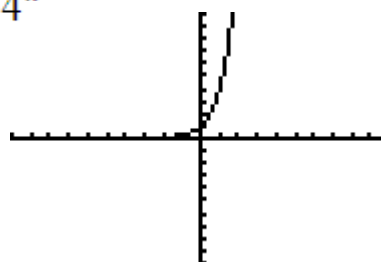
Range $y \in (-\infty, \infty)$

$$y = x^3$$



Graphing Toolkit Problem #16

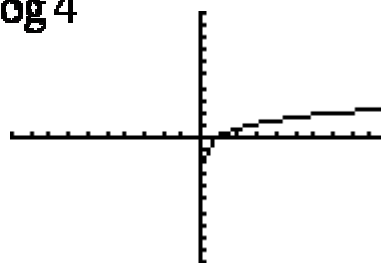
$$y = 4^x$$



Domain $x \in (-\infty, \infty)$

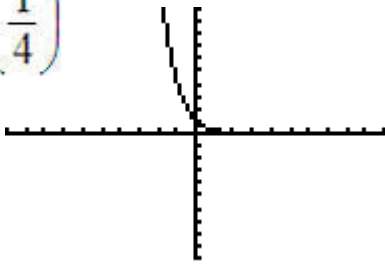
Range $y \in (0, \infty)$

$$y = \frac{\log x}{\log 4}; x \geq 0$$



Graphing Toolkit Problem #17

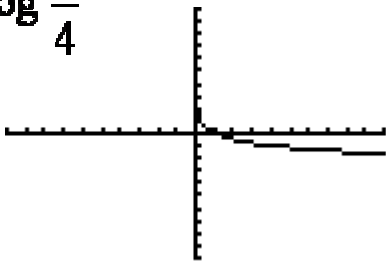
$$y = \left(\frac{1}{4}\right)^x$$



Domain $x \in (-\infty, \infty)$

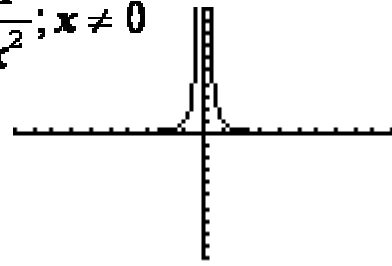
Range $y \in (0, \infty)$

$$y = \frac{\log x}{\log \frac{1}{4}}; x \geq 0$$



Graphing Toolkit Problem #19

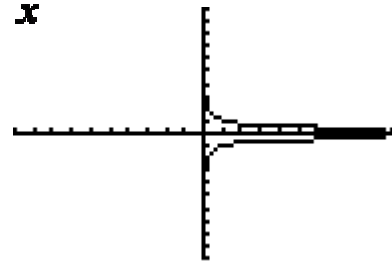
$$y = \frac{1}{x^2}; x \neq 0$$



Domain $x \in (-\infty, \infty) \neq 0$

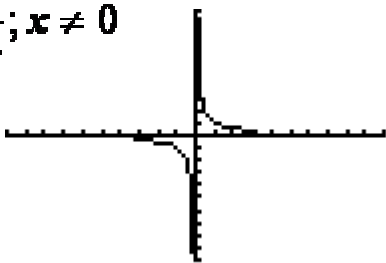
Range $y \in (0, \infty)$

$$y = \frac{\pm\sqrt{x}}{x}; x \geq 0$$



Graphing Toolkit Problem #18

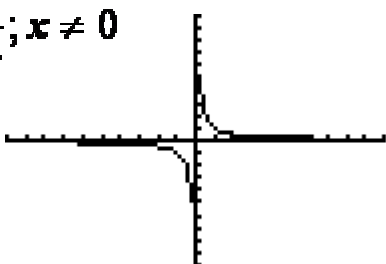
$$y = \frac{1}{x}; x \neq 0$$



Domain $x \in (-\infty, \infty) \neq 0$

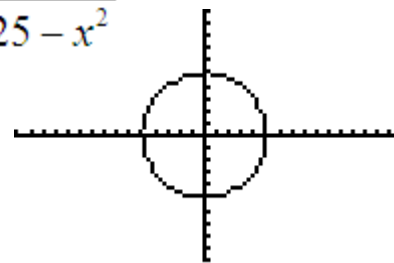
Range $y \in (-\infty, \infty) \neq 0$

$$y = \frac{1}{x}; x \neq 0$$



Graphing Toolkit Problem #20

$$y = \pm\sqrt{25 - x^2}$$



Domain $x \in [-5, 5]$

Range $y \in [-5, 5]$

$$y = \pm\sqrt{25 - x^2}$$

