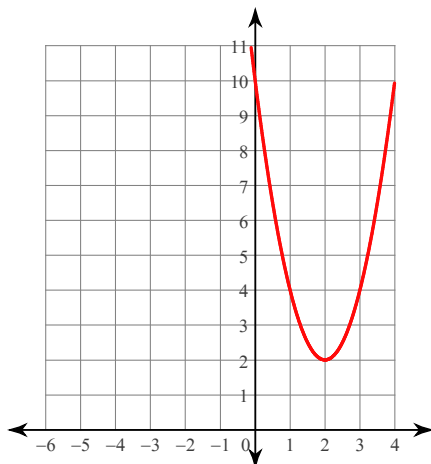


1.4b - Domain and Range

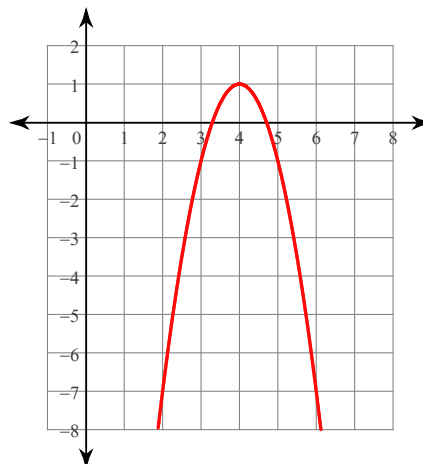
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State the Domain and Range

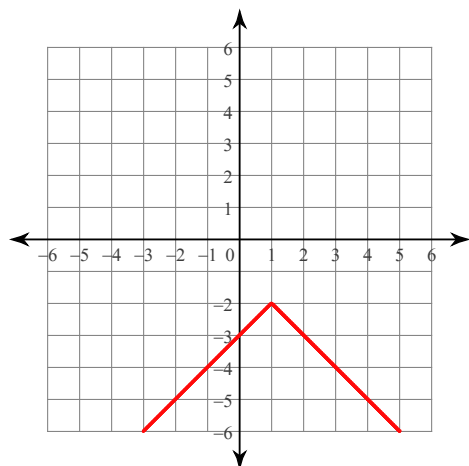
1) $f(x) = 2(x - 2)^2 + 2$



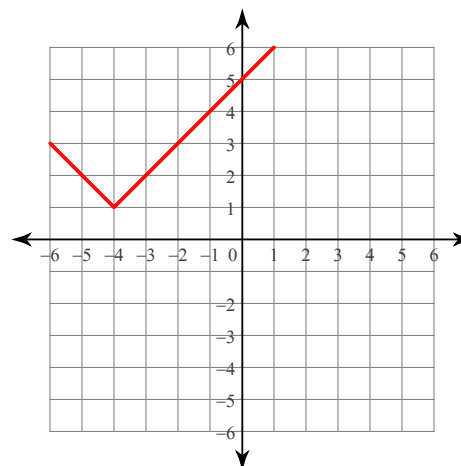
2) $f(x) = -2(x - 4)^2 + 1$



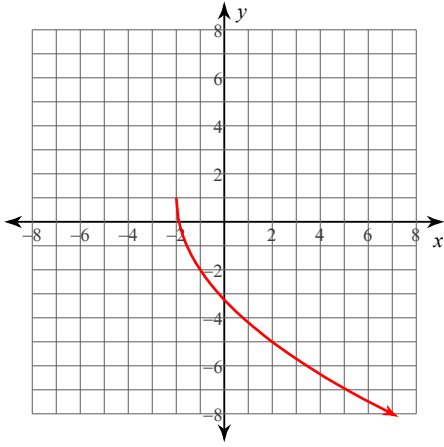
3) $y = -|x - 1| - 2$



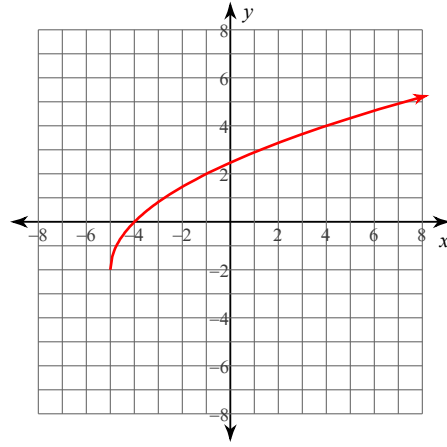
4) $y = |x + 4| + 1$



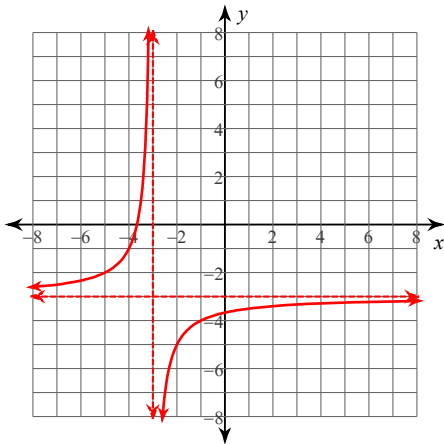
$$5) y = -3\sqrt{x+2} + 1$$



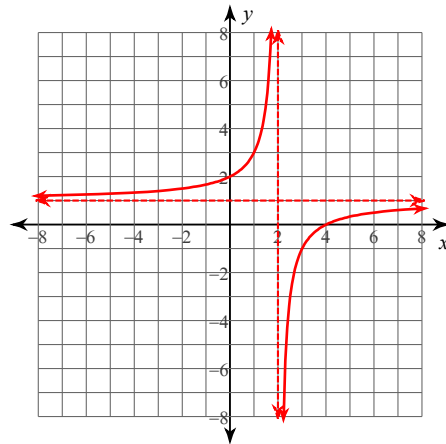
$$6) y = -2 + \sqrt{4x+20}$$



$$7) f(x) = -\frac{2}{x+3} - 3$$



$$8) f(x) = -\frac{2}{x-2} + 1$$



State the Domain and Range

9) $f(x) = -(x + 3)^2 - 3$

10) $f(x) = -\frac{1}{2}(x - 2)^2 - 2$

11) $f(x) = -(x - 1)^2 + 2$

12) $f(x) = -\frac{1}{3}(x - 3)^2 - 3$

13) $y = |x| - 3$

14) $y = |x| - 4$

15) $y = -|x| - 4$

16) $y = -|x - 3|$

$$17) y = -2\sqrt{x-1} - 1$$

$$18) y = 2\sqrt{4x-12} + 3$$

$$19) y = -3\sqrt{-9x+27} - 1$$

$$20) y = \frac{1}{2}\sqrt{x+1} + 4$$

$$21) f(x) = \frac{1}{x+1} - 3$$

$$22) f(x) = \frac{4}{3(x-2)} + 1$$

$$23) f(x) = -\frac{2}{2x+6} + 2$$

$$24) f(x) = \frac{1}{5x+12} - 1$$