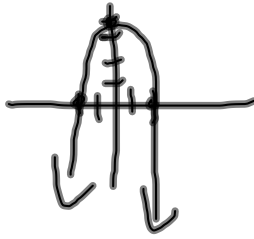
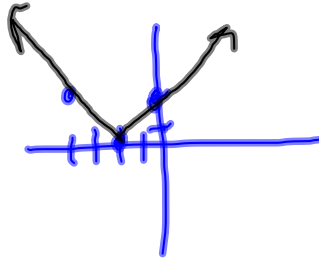


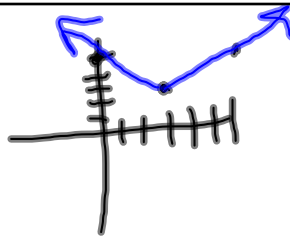
7. $4 - x^2 = 0$
 $4 = x^2$
 $\pm 2 = x$



9. $y = |x + 2|$
 $x + 2 = 0$
 $x = -2$

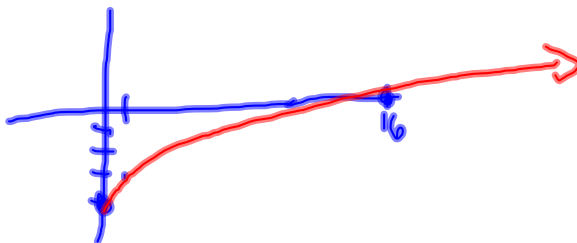


$y = |x - 3| + 2$
 $v: (3, 2)$

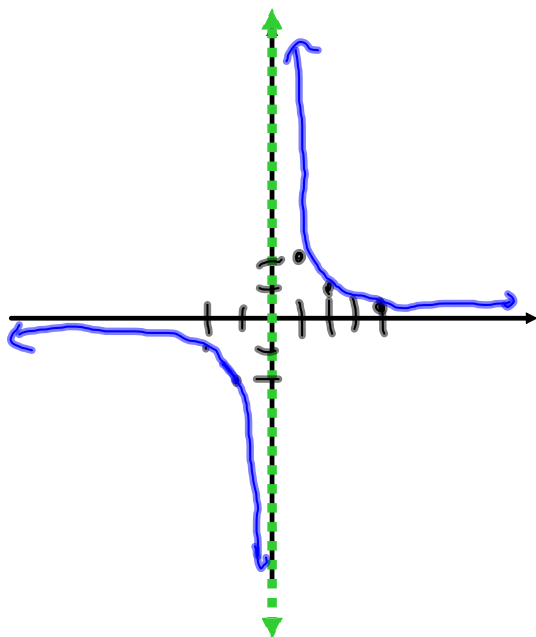


11. $y = \sqrt{x} - 4$

$\sqrt{x - 4}$



13. $y = \frac{2}{x}$



20.

$$0 = x^3 - 4x$$

$$0 = x(x^2 - 4)$$

$$x=0 \quad x^2 - 4 = 0$$

$$x=0 \quad x = \pm 2$$

22.

$$y = (x-1)\sqrt{x^2+1}$$

$$y = -1\sqrt{1}$$

$$y = -1$$

$$y: (0, -1)$$

$$0 = (x-1)\sqrt{x^2+1}$$

$$x = 1$$

$$24. \quad y = \frac{x^2 + 3x}{(3x+1)^2}$$

$$y: (0,0)$$

x: numerator

$$x^2 + 3x = 0$$

$$x(x+3) = 0$$

$$x=0, x=-3$$

$$26. \quad y = 2x - \sqrt{x^2 + 1}$$

$$y: -1$$

$$0 = 2x - \sqrt{x^2 + 1}$$

$$\sqrt{x^2 + 1} = (2x)^2$$

$$x^2 + 1 = 4x^2$$

$$\frac{1}{3} = \frac{3x^2}{3}$$

$$\sqrt{\frac{1}{3}} = \sqrt{x^2}$$

$$\pm \frac{1}{\sqrt{3}}$$

$$x = \pm \frac{\sqrt{3}}{3}$$

$$32. \quad xy^2 = -10$$

$$\begin{array}{l} \text{y-axis} \\ 1) \quad -xy^2 = -10 \\ \quad \quad xy^2 = 10 \quad \text{NO} \end{array}$$

$$\begin{array}{l} \text{x-axis} \\ 2) \quad x(-y)^2 = -10 \\ \quad \quad xy^2 = -10 \quad \checkmark \end{array}$$

$$\begin{array}{l} \text{origin} \\ 3) \quad (-x)(-y)^2 = -10 \\ \quad \quad -xy^2 = -10 \quad \text{NO} \end{array}$$

$$34. \quad xy - \sqrt{4-x^2} = 0$$

$$(-x)(-y) - \sqrt{4-(-x)^2}$$

$$xy - \sqrt{4-x^2} \quad \checkmark$$

origin

Pg. 16
10, 15-18, 59, 65

P. 27
1, 4-10E 13, 14, 25, 39-42, 47-52
57a-c, 58af