



$$f(x) = \frac{9-15x}{x+1} \quad \begin{array}{l} \text{V.A. } x = -1 \\ \text{H.A. } y = -15 \end{array}$$

$$f(0) = \frac{9-0}{0+1} = 9 \quad (0, 9)$$

$$f(7) = \frac{9-15(7)}{7+1} = \frac{-96}{8} = -12 \quad (7, -12)$$

$$\begin{aligned} f(x) &= -2\sqrt{3x-45}+6 \\ &= -2\sqrt{3(x-15)}+6 \\ & \quad \text{V}(15, 6) \end{aligned}$$

$$\begin{aligned} f(27) &= -2\sqrt{3(27-15)}+6 \\ &= -2\sqrt{36}+6 \\ &= -6 \end{aligned}$$

$$\begin{aligned} f(x) &= |3x-24|-15 \\ &= 3|x-8|-15 \quad \text{V}(8, -15) \end{aligned}$$

$$\begin{aligned} f(15) &= 3|15-8|-15 \\ &= 21-15 \\ &= 6 \quad (15, 6) \end{aligned}$$