





Find the domain, vertical and horizontal asymptotes. (Graph and Check)

$$Ex4) f(x) = \frac{x^{2} + x - 2}{x^{2} - x - 6} = \frac{(x + 2)(x - 1)}{(x - 3)(x + 2)} = \frac{x - 1}{x - 3}$$

$$D: (-\infty - 2)v(-2, 3)v(3, \infty) \qquad hole qt x = -2$$

$$VA: x = 3$$

$$HA: N = M \quad Y = 1$$

$$A = 1$$

$$A = 1$$

Find the domain, vertical and horizontal asymptotes. (Graph and Check)

$$Ex5) f(x) = \frac{3x^3 + 7x^2 + 2}{-4x^3 + 5}$$

$$V.A : x = \sqrt{4}$$

Find the domain, vertical and horizontal asymptotes. (Graph and Check)

$$Ex6) f(x) = \frac{x \cdot 3}{|x|}$$

$$V.A : X = 0$$

$$H.A : 0 = m$$

$$Y=1 + 0 m h^{2}$$

$$Y=-1 + 0 + m h^{2}$$