

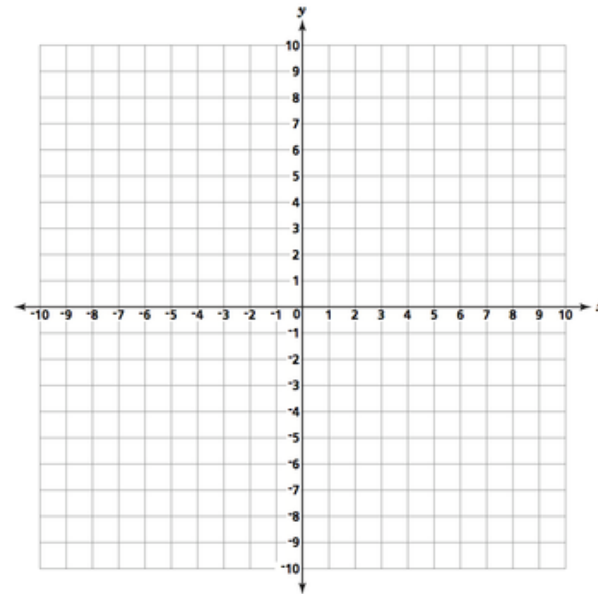
Graphing Rational Functions **Name:**

$$y = \frac{1}{x} \quad \text{and} \quad y = \frac{1}{x - 1}$$

Where will there be a vertical asymptote?

Where will there be a horizontal asymptote?

Graph the function and make a table

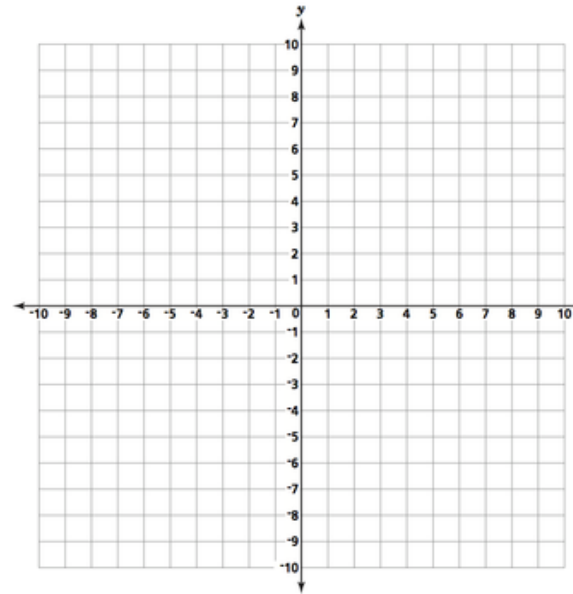


$$y = \frac{x + 7}{x + 2}$$

Where will there be a vertical asymptote?

Where will there be a horizontal asymptote?

Graph the function and make a table

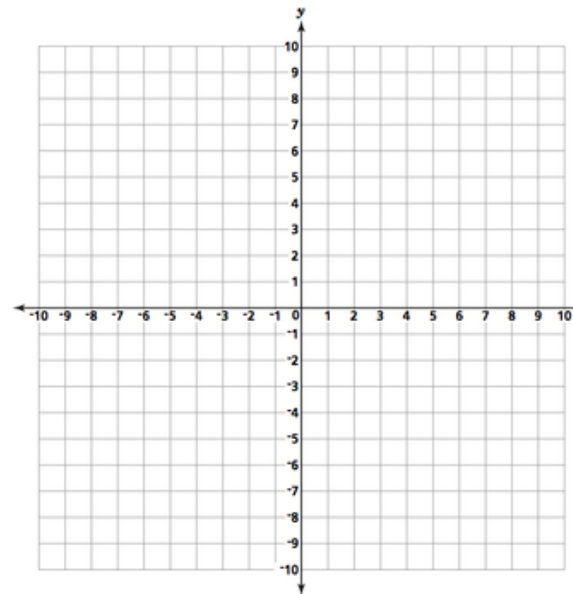


$$y = \frac{x^2 - 1}{x + 2}$$

Where will there be a vertical asymptote?

Where will there be a horizontal asymptote?

Graph the function and make a table



$$\frac{u-v}{8v} + \frac{6u-3v}{8v}$$

$$\frac{5}{10n^2+16n+6} + \frac{n-6}{10n^2+16n+6}$$

$$6 - \frac{x+5}{(7x-5)(x+4)}$$

$$\frac{3}{x+7} + \frac{4}{x-8}$$

$$\frac{2}{3x^2+12x} + \frac{8}{2x}$$

$$\frac{4}{x+1} - \frac{2}{x+2}$$

$$\frac{3}{n-5} + \frac{6}{3n-8}$$

$$\frac{\frac{25}{4}}{\frac{1}{5} - \frac{4}{25}}$$

$$\frac{\frac{8}{4} + \frac{16}{9}}{9}$$

$$\frac{\frac{5}{4}}{\frac{5}{m} - \frac{4}{m}}$$

