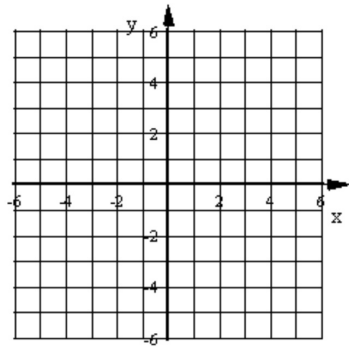


1. Graph this transformation of the parent function $y = \frac{2}{x}$.

Show asymptotes as dashed lines.

$$y = \frac{-2}{x+3} - 1$$



2. Find this difference:

$$\frac{5}{x^2 - 4x - 21} - \frac{3x}{x^2 + 8x + 15}$$

3. Simplify.
$$\frac{\frac{6}{x+4}}{\frac{-2}{x-6} + \frac{8x}{x^2 - 2x - 24}}$$

4. Simplify.
$$\frac{\frac{9x}{y^3} - \frac{4}{3x^2y}}{\frac{2}{6xy^2} + \frac{5}{x^3y}}$$