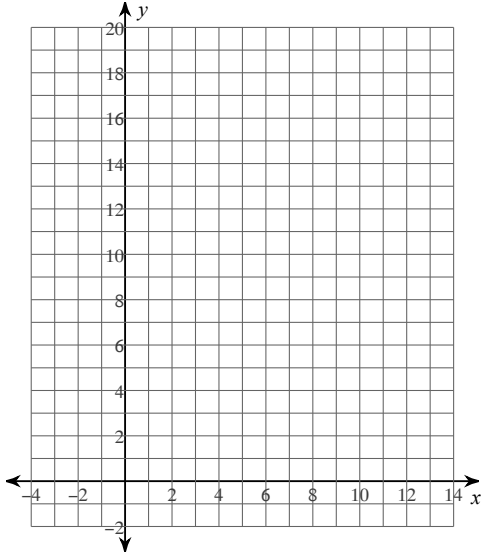


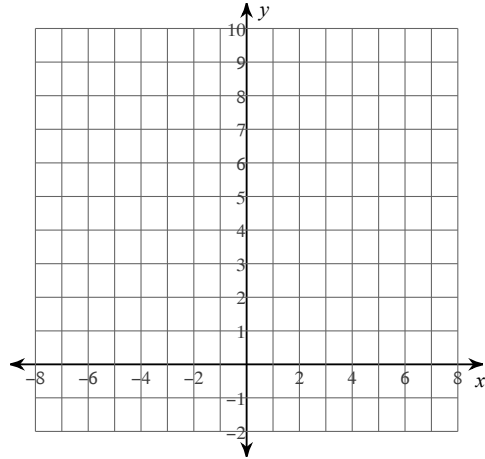
## Factoring &amp; Graphing Rational Functions - practice

Simplify & state the excluded values. Then graph.

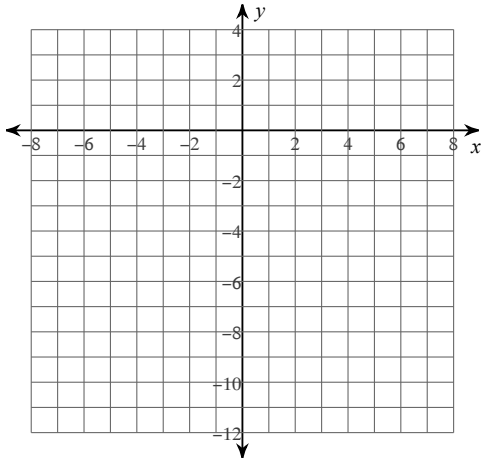
$$1) y = \frac{x^2 - 5x - 50}{x - 10}$$



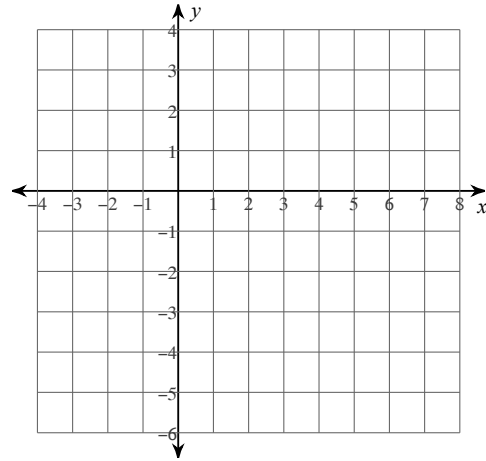
$$2) y = \frac{x^2 + 11x + 24}{x + 3}$$



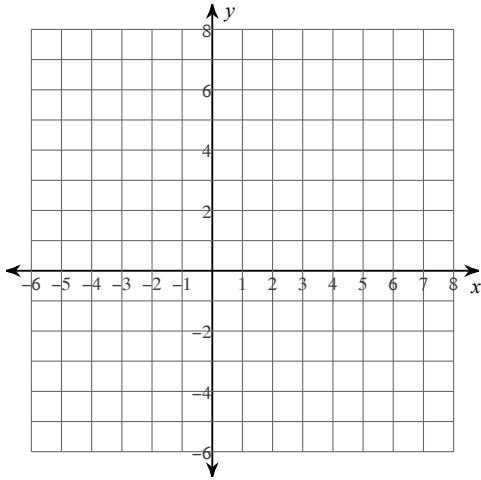
$$3) y = \frac{x^2 + x - 20}{x + 5}$$



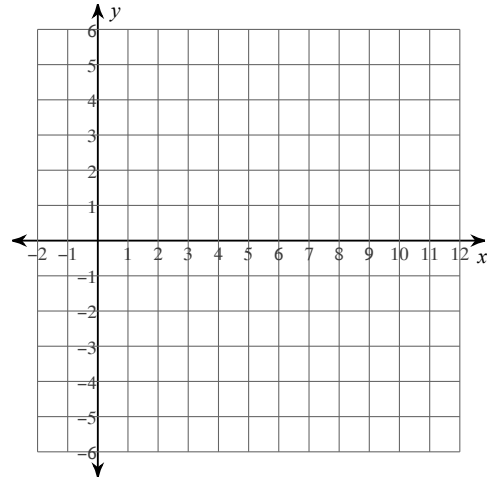
$$4) y = \frac{x^2 - 4x + 3}{x - 3}$$



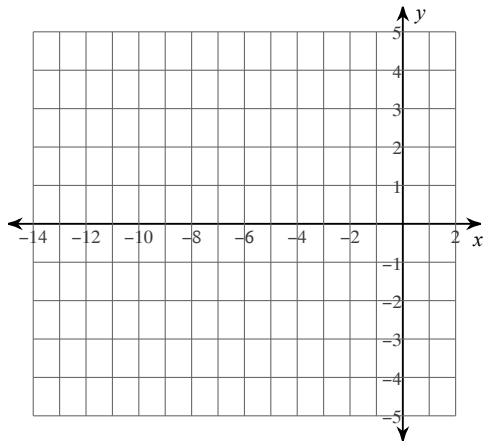
$$5) y = \frac{x^2 - 9x + 20}{-x + 5}$$



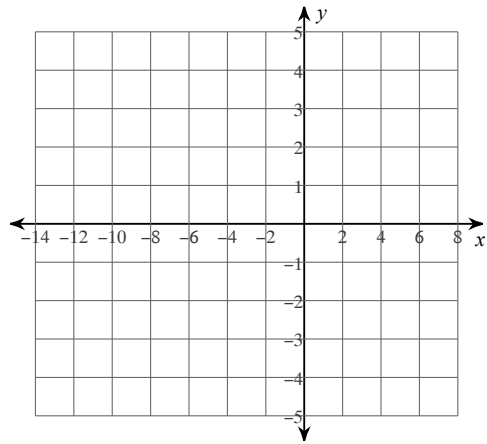
$$6) y = \frac{x^2 - 12x + 32}{8 - x}$$



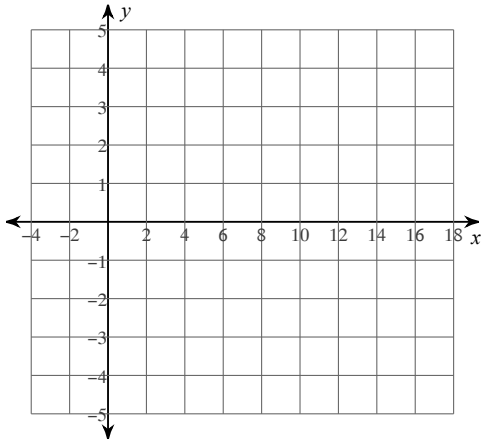
$$7) y = \frac{x + 10}{x^2 + 17x + 70}$$



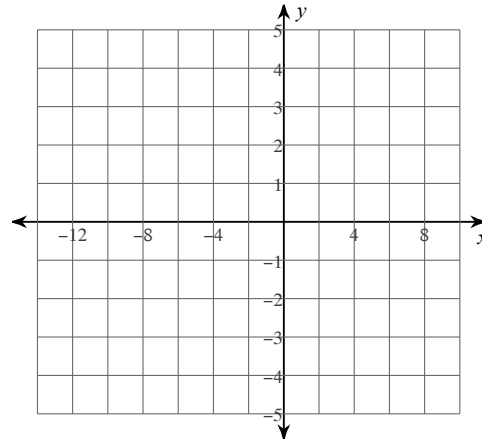
$$8) y = \frac{x - 5}{x^2 + 4x - 45}$$



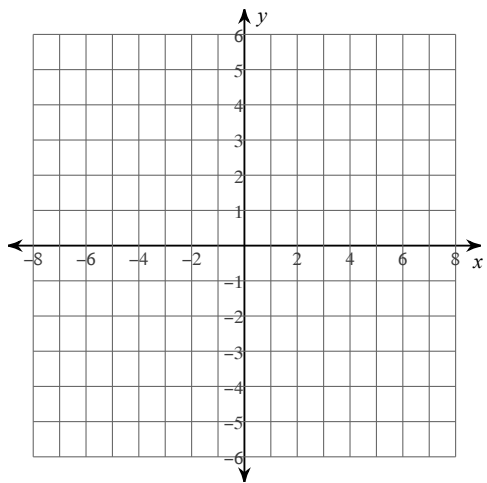
$$9) y = \frac{x - 4}{x^2 - 14x + 40}$$



$$10) y = \frac{x + 10}{x^2 + 7x - 30}$$



$$11) y = \frac{-x + 2}{x^2 + x - 6}$$



$$12) y = \frac{-5 - x}{x^2 - 4x - 45}$$

