

Answers to Chapter 9 Study Guide

1) $\frac{32x^2 + 34x}{(5x + 6)(x - 1)}$

2) $\frac{1 - 2p + p^2}{2p(p + 1)}$

3) $\frac{3b^2 - 19b + 28}{3b(b - 7)}$

4) $\frac{9n + 35}{3(n + 7)}$

5) $\frac{r - 6}{8r}$

6) $9x^2$

7) $\frac{80n^2}{n - 10}$

8) $\frac{2m^2 + 8m + 8}{14 + 3m}$

9) $\frac{x^2 - 20}{16x}$

10) $\frac{x^2 - x + 5}{3x^3 - x^2 - 4x}$

11) $\left\{2, \frac{1}{2}\right\}$

12) $\left\{-\frac{1}{2}\right\}$

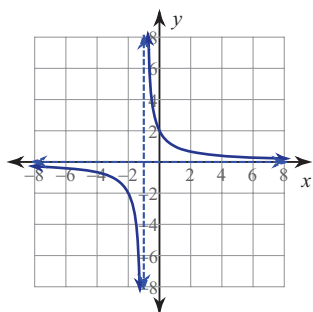
13) $\{1\}$

14) $\{-14\}$

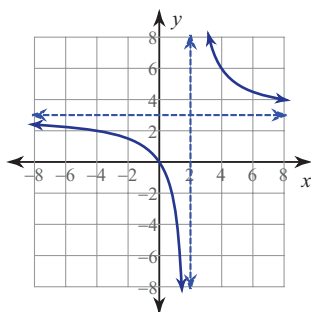
15) $\left\{-\frac{26}{3}\right\}$

16) $\{-4\}$

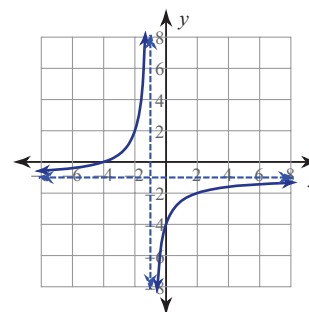
17)



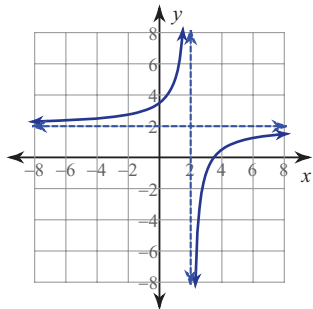
18)



19)



20)



21) inverse, neither, direct

22) $x = 4wz/y$; $w = 3$

23) $x = 6y$; $y = 8$

24) $w = (3/2)xy$; $x = 1$