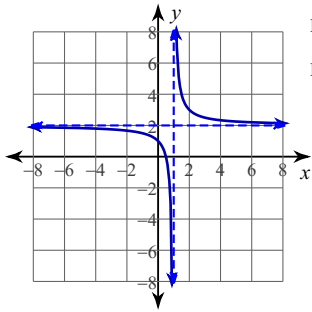


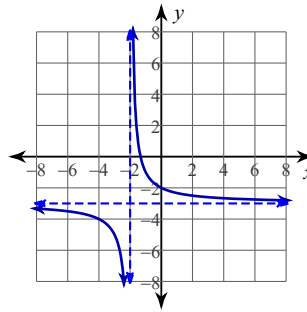
Answers to Chapter 7 Review WS2

1)



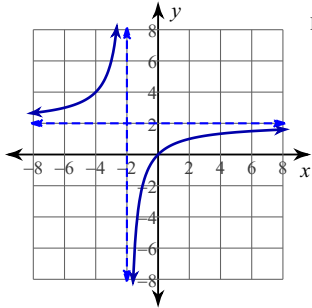
Domain:
All reals except 1
Range:
All reals except 2

2)



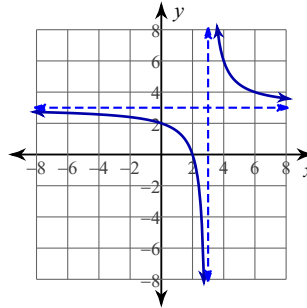
Domain:
All reals except -2
Range:
All reals except -3

3)



Domain:
All reals except -2

4)



Domain:
All reals except 3

5) $\frac{8x}{x-9}; \{9, 8\}$

6) $\frac{a-5}{2a}; \{0, -4\}$

7) $\frac{x-7}{x(x-4)}; \{0, 4, -10\}$

8) $\frac{x+7}{10(x+1)}; \{-2, -1\}$

9) $\frac{9}{x-8}; \{8, -8, 0\}$

10) $\frac{x-10}{(x+3)(x+8)}; \{-3, -8, -1\}$

11) $\frac{9}{x-1}; \{5, 2, 1\}$

12) $\frac{n-6}{4n}; \{3, 0\}$

13) $\frac{n-5}{2n}; \{0, -4, 5, -8\}$

14) $-\frac{3}{4m}; \left\{0, \frac{1}{3}, -5\right\}$

15) $\frac{1}{3x^2 - 5x - 12}$

16) $\frac{1}{2}$

17) $\frac{6n^2 + 21n + 3}{(n-1)(n+5)}$

18) $\frac{4v^2 + 17v + 6}{3v(v+4)}$

19) $\frac{-n^2 - 17n + 144}{5n(n-4)(n+6)}$

20) $\frac{8n+1+n^2}{3(n+4)(n+1)}$

21) $\frac{54x}{27x+8}$

22) $\frac{12}{6-m^2}$

23) $\{3\}$

24) $\{-10\}$

25) $\left\{-\frac{2}{3}\right\}$

26) $\{-5\}$

27) $\{5, 2\}$

28) $\{4\}$