

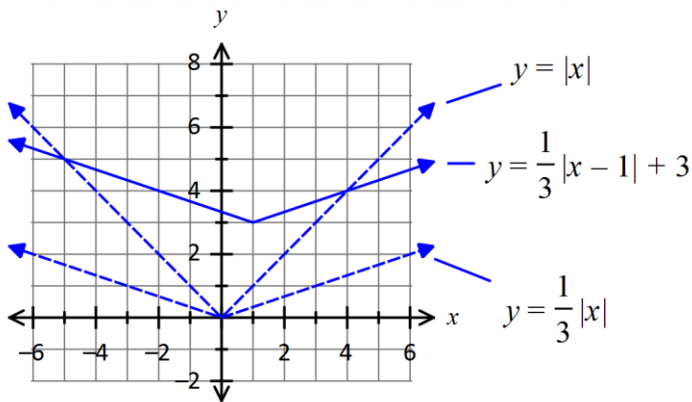
Precalculus – 1.6 Odd Answers

1. B
3. H
5. I
7. L
9. F
11. G
13. Vertical shift down 3
15. Horizontal shift right 1, vertical shift up 3
17. Reflect over x-axis; vertical stretch of 5, horizontal shift right 8

19. (1) $y = \sqrt{x} + 2$
- (2) $y = -(\sqrt{x} + 2)$ or $y = -\sqrt{x} - 2$
- (3) $y = -(\sqrt{-x} + 2)$ or $y = -\sqrt{-x} - 2$

21. (1) $y = \frac{1}{3}\sqrt{x}$
- (2) $y = \frac{1}{3}\sqrt{x-4}$
- (3) $y = \frac{1}{3}\sqrt{-x-4}$ or $y = \frac{1}{3}\sqrt{-(x+4)}$

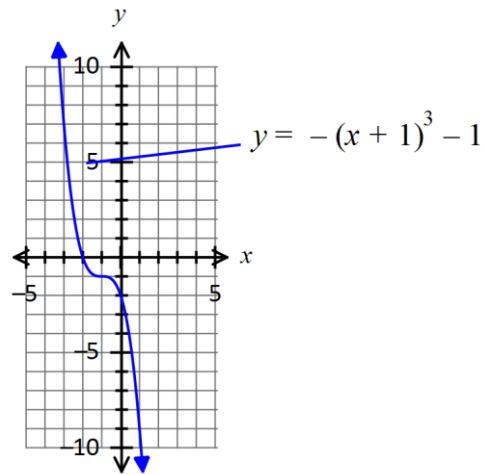
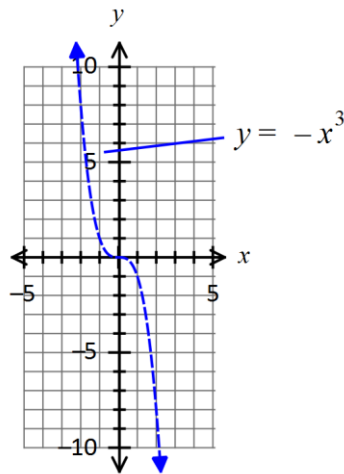
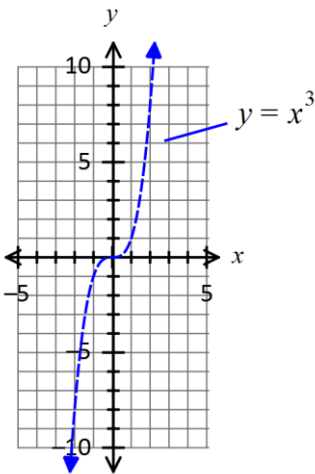
23.



Domain: $(-\infty, \infty)$

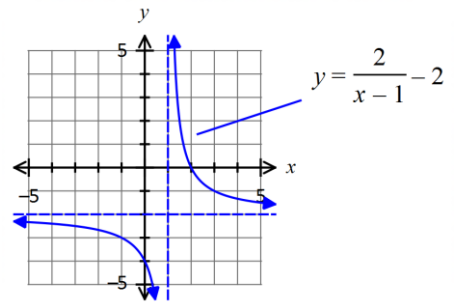
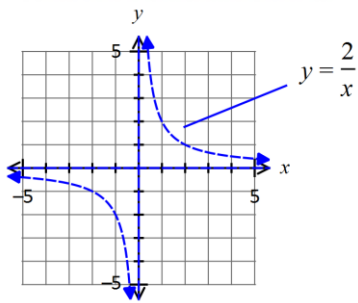
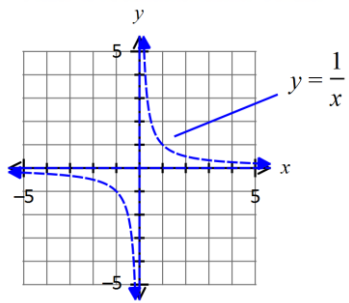
Range: $[3, \infty)$

25.



Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$

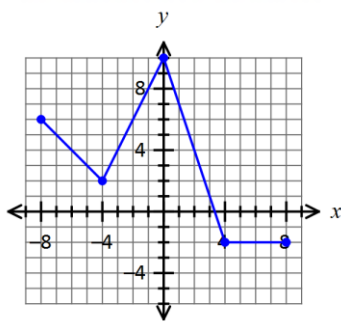
27.



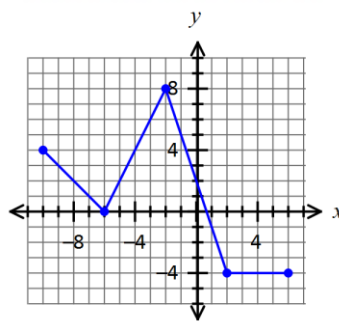
Domain: $(-\infty, 1) \cup (1, \infty)$

Range: $(-\infty, -2) \cup (-2, \infty)$

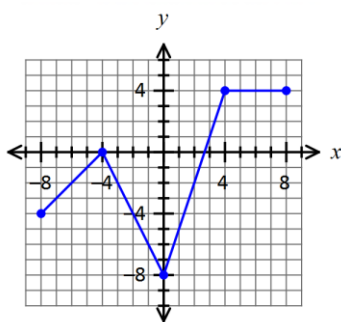
29. a)



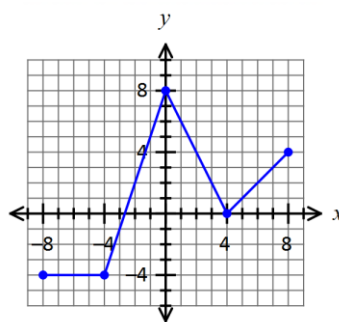
b)



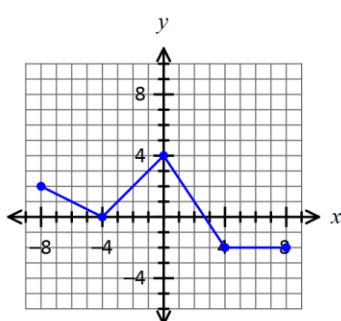
c)



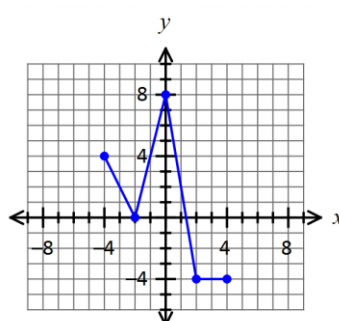
d)



e)



f)



g)

