

1.3 Homework Odd Answers: PreCalculus

1. e

3. j

5. i

7. k

9. d

11. l

13 Ex. 8

15. Ex. 7, 8

17. Ex. 2, 4, 6, 10, 11, 12

19. $y = x, y = x^3, y = \frac{1}{x}, y = \sin x$

21. $y = x^2, y = \frac{1}{x}, y = |x|$

23. $y = e^x, y = \frac{1}{x}, y = \frac{1}{(1+e^{-x})}$

25. $y = \cos x, y = x^3, y = \frac{1}{x}, y = \sin x, y = \frac{1}{(1+e^{-x})}$

27. . $y = x, y = x^3, y = \frac{1}{x}, y = \sin x$

29. Domain: all reals; Range: $[-5, \infty)$

31. Domain: $(-6, \infty)$; Range: all reals

33. Domain: All reals ; Range: all integers

35. a.) Increasing on $[10, \infty)$ b.) Neither; c) Minimum value of 0 at $x = 10$; d.) Square root function shifted 10 units to the right

39. a.) Increasing on $[0, \infty)$; decreasing on $(-\infty, 0]$; b.) Even; c) Minimum value of -10 at $x = 0$; d.) Absolute value function shifted 10 units to down