

SM3H 4.5 odd answers

1. yes

3. a.) no b.) yes

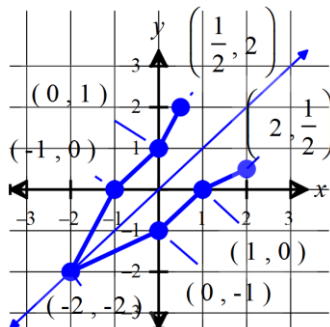
5. a.) yes b.) yes

7. $\{(2, -2), (6, -1), (8, 0), (-3, 1), (9, 2)\}$

Domain: $\{-3, 2, 6, 8, 9\}$; Range: $\{-2, -1, 0, 1, 2\}$

9-10 work is the answer

11.



13. $f^{-1}(x) = \frac{x+6}{3}$; Domain: $(-\infty, \infty)$

15. $f^{-1}(x) = \frac{-x-3}{x-2}$; Domain: $(-\infty, 2) \cup (2, \infty)$

17. $f^{-1}(x) = x^2 + 2$; Domain: $(-\infty, \infty)$

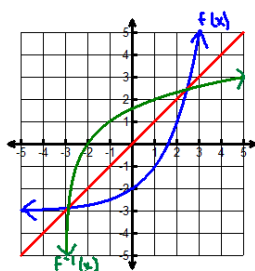
19. $f^{-1}(x) = \sqrt[3]{x-4}$; Domain: $(-\infty, \infty)$

21. $f^{-1}(x) = \sqrt[3]{x-6} + 1$; Domain: $(-\infty, \infty)$

23.

x	y
4	0
2	2
-4	4
-14	6
-28	8

25.



27a. 1

27b. -1

27c. 1.5

27d. 1

29. Domain: $[0, \infty)$; Range: $(-\infty, 0]$

31. Quadrant I

33. $x^2 - 14x + 49$

35. $f(x) = x(x+4)(x-2)$

37. $5(2x+3y)(2x-3y)$