

Trig/Pre-Calc
Ch 1
Sec 1.2

Determine whether the function is odd, even, or neither, algebraically. Show the substitution.

1. $f(x) = 5$ 2. $f(x) = 5 - 3x$ 3. $g(x) = -x^2 - 8$

4. $f(x) = \sqrt{1-x}$ 5. $g(x) = \sqrt[3]{x-1}$ 6. $f(x) = |x+2|$

7. $f(t) = t^2 + 2t - 3$ 8. $f(x) = x^6 - 2x^2 + 3$ 9. $h(x) = x^3 - 5x$

10. $f(x) = x\sqrt{1-x^2}$ 11. $f(x) = x\sqrt{x+2}$ 12. $f(t) = 4t^{2/3}$

13. $f(x) = 4x^{3/2}$

Find the coordinates of a second point on the graph of a function f if the given point is on the graph and the function is

a) even

b) odd

14. $(-3/2, 4)$

15. $(-5/3, -7)$

16. $(4, 9)$

17. $(5, -1)$

18. $(x, -y)$

19. $(2a, 2c)$