

This is designed to strengthen our calculator skills.

You should enter the function into y=

VAR-S-Y-vars-#1function-#1Y1-the do parenthesis and the number. Close your parenthesis

Name _____

Date _____

Advanced Algebra

Unit 2: families of Functions Assignment #1

Learning target: I can evaluate a function at a given point

- | | | |
|-----------------------------------|------------------|------------------|
| 1) $f(x) = x - 4$ | a) $f(8)$ _____ | b) $f(1)$ _____ |
| 2) $f(x) = x - 6$ | a) $f(9)$ _____ | b) $f(2)$ _____ |
| 3) $f(x) = 3x - 2$ | a) $f(7)$ _____ | b) $f(0)$ _____ |
| 4) $f(x) = 4x - 3$ | a) $f(7)$ _____ | b) $f(0)$ _____ |
| 5) $g(x) = x^2 + 1$ | a) $g(2)$ _____ | b) $g(-2)$ _____ |
| 6) $g(x) = x^2 + 4$ | a) $g(3)$ _____ | b) $g(-3)$ _____ |
| 7) $g(x) = -x^2 + 2$ | a) $g(4)$ _____ | b) $g(-3)$ _____ |
| 8) $g(x) = -x^2 + 1$ | a) $g(5)$ _____ | b) $g(-4)$ _____ |
| 9) $h(r) = 3r^2 + 5$ | a) $h(4)$ _____ | b) $h(-1)$ _____ |
| 10) $h(r) = 2r^2 - 4$ | a) $h(5)$ _____ | b) $h(-1)$ _____ |
| 11) $f(x) = 2x^2 + 3x - 1$ | a) $f(3)$ _____ | b) $f(-4)$ _____ |
| 12) $f(x) = 3x^2 + 4x - 2$ | a) $f(2)$ _____ | b) $f(-1)$ _____ |
| 13) $f(x) = \frac{3x}{5x - 2}$ | a) $f(5)$ _____ | b) $f(-8)$ _____ |
| 14) $f(x) = 3x^2 - 7x - 5$ | a) $f(-2)$ _____ | b) $f(20)$ _____ |
| 15) $f(x) = \frac{2x + 5}{x - 3}$ | a) $f(8)$ _____ | b) $f(-7)$ _____ |