

2-6 Graph with a Table of Values

Steps:

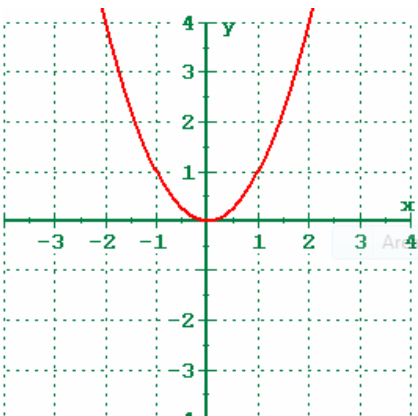
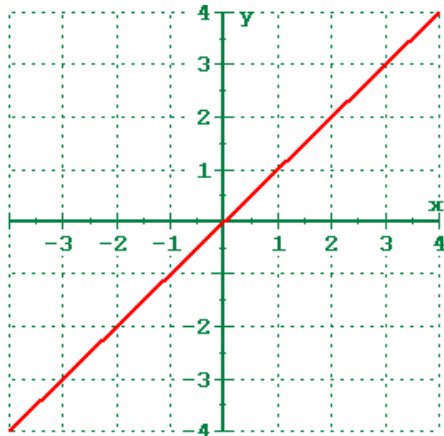
- 1) Pick 3 or 4 convenient x (input) values
- 2) Substitute into function to find y (output) values
- 3) Plot ordered pairs
- 4) Draw a line connecting points

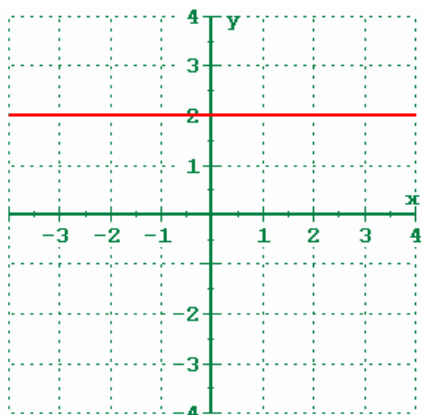
EX 1: $f(x) = x + 1$

EX 2: The speed in ft/s that an object falls is a function of time in seconds.

- a) Use the rule $S(t) = 32t$ to make a table of values, then graph.
- b) What is the speed when the time is 1.5 seconds?

EX 3: Make a table of values for each graph:





Use a graphing calculator to make a table of values, then graph:

1) $y = 3x - 8$

2) $f(x) = -2x^2 + 1$