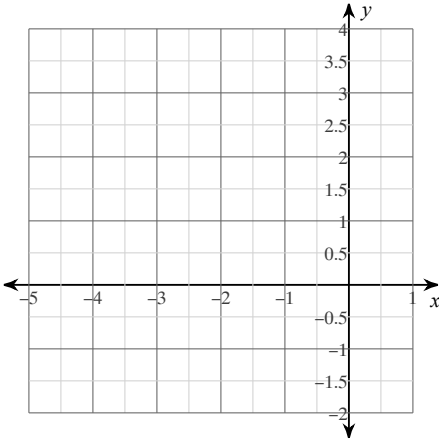


## Average Rate of Change - Practice

Sketch the graph of each function.

1)  $f(x) = -\frac{1}{2}x^2 - 2x$



2) a) Make a table of values for this graph.

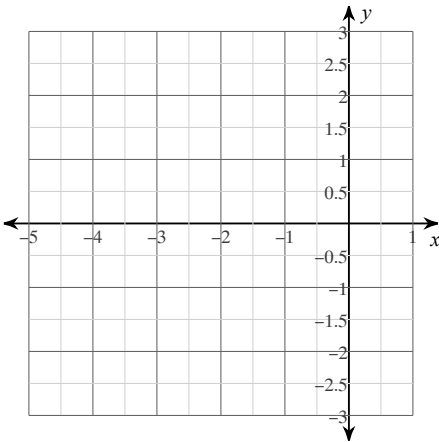
b) Mark those points on the graph.

c) Draw a line that crosses two times

d) Compute the average rate of change between two different points on the graph (show your calculations).

Sketch the graph of each function.

3)  $f(x) = (x + 3)^2 - 2$



4) a) Make a table of values for this graph.

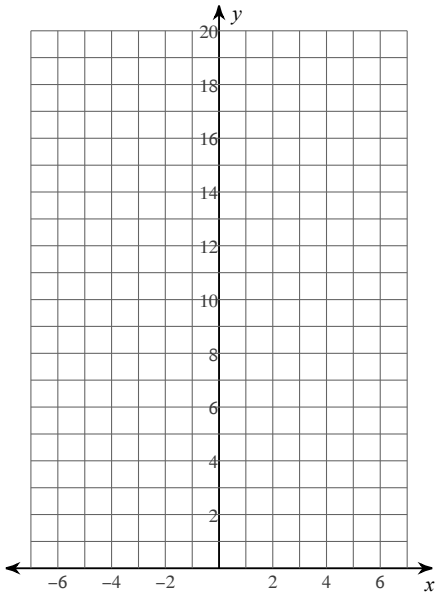
b) Mark those points on the graph.

c) Draw a line that crosses two times

d) Compute the average rate of change between two different points on the graph (show your calculations).

Sketch the graph of each function.

5)  $f(x) = \frac{1}{2} \cdot 5^x$



6) a) Make a table of values for this graph.

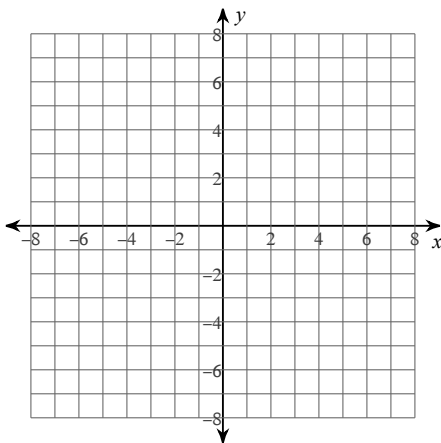
b) Mark those points on the graph.

c) Draw a line that crosses two times

d) Compute the average rate of change between two different points on the graph (show your calculations).

Sketch the graph of each function.

7)  $y = -3 + 3\sqrt{x}$



8) a) Make a table of values for this graph.

b) Mark those points on the graph.

c) Draw a line that crosses two times

d) Compute the average rate of change between two different points on the graph (show your calculations).