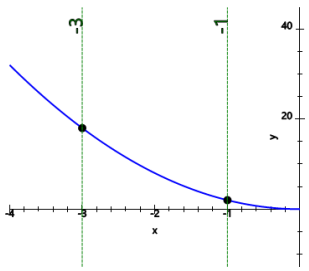
Name

Average Rate of Change - Graph and 2 X-Coordinates to Slope Expression

1 Write the expression for the average rate of change between the two highlighted x-values x=-1 and x=-3.



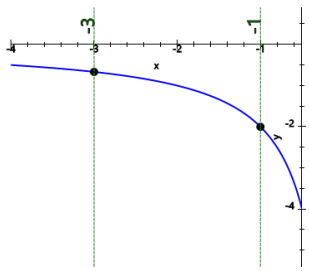
A $\frac{(-3)-(-1)}{18-2}$

B $\frac{18-2}{(-1)-(-3)}$

C $\frac{2-18}{(-3)-(-1)}$

D $\frac{18-2}{(-3)-(-1)}$

2 Write the expression for the average rate of change between the two highlighted x-values x=-1 and x=-3.



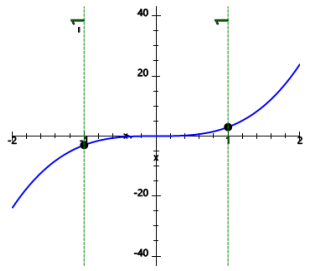
A $\frac{(-3)-(-1)}{(-0.7)-(-2)}$

B $\frac{(-2)-(-0.7)}{(-3)-(-1)}$

C $\frac{(-0.7)-(-2)}{(-3)-(-1)}$

D $\frac{(-0.7)-(-2)}{(-1)-(-3)}$

3 Write the expression for the average rate of change between the two highlighted x-values x=1 and x=-1.



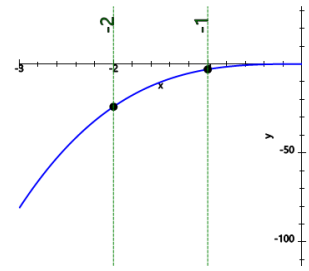
A $\frac{(-3)-3}{(-1)-1}$

B $\frac{(-3)-3}{1-(-1)}$

C $\frac{(-1)-1}{(-3)-3}$

D $\frac{3-(-3)}{(-1)-1}$

4 Write the expression for the average rate of change between the two highlighted x-values x=-2 and x=1.



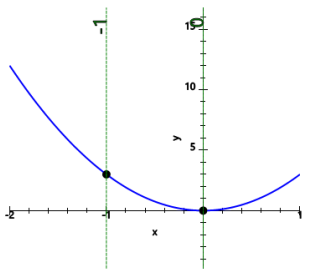
A $\frac{(-1)-(-2)}{(-3)-(-24)}$

B $\frac{(-3)-(-24)}{(-1)-(-2)}$

C $\frac{(-3)-(-24)}{(-2)-(-1)}$

D $\frac{(-24)-(-3)}{(-1)-(-2)}$

5 Write the expression for the average rate of change between the two highlighted x-values x=-1 and x=0.



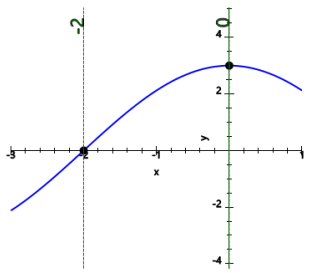
A $\frac{0-3}{0-(-1)}$

B $\frac{3-0}{0-(-1)}$

C $\frac{0-(-1)}{0-3}$

D $\frac{0-3}{(-1)-0}$

6 Write the expression for the average rate of change between the two highlighted x-values x=0 and x=2.



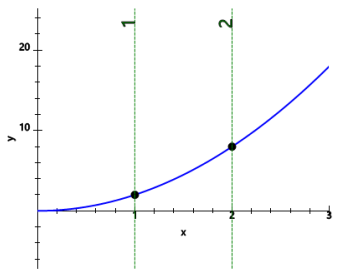
A $\frac{3-0}{(-2)-0}$

B $\frac{(-2)-0}{0-3}$

C $\frac{0-3}{(-2)-0}$

D $\frac{0-3}{0-(-2)}$

7 Write the expression for the average rate of change between the two highlighted x-values x=1 and x=2.



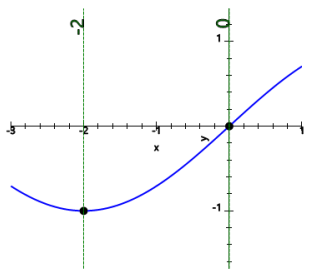
A $\frac{2-8}{2-1}$

B $\frac{8-2}{1-2}$

C $\frac{2-1}{8-2}$

D $\frac{8-2}{2-1}$

8 Write the expression for the average rate of change between the two highlighted x-values x=0 and x=2.



A $\frac{(-1)-0}{0-(-2)}$

B $\frac{0-(-1)}{(-2)-0}$

C $\frac{(-1)-0}{(-2)-0}$

D $\frac{(-2)-0}{(-1)-0}$