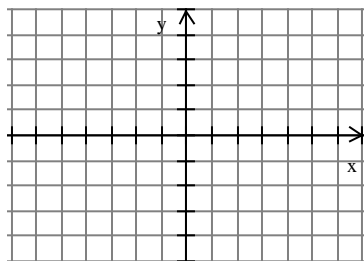
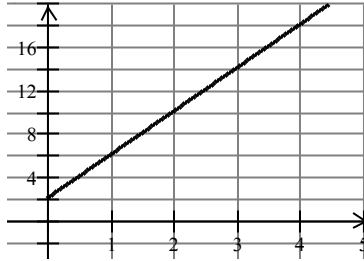


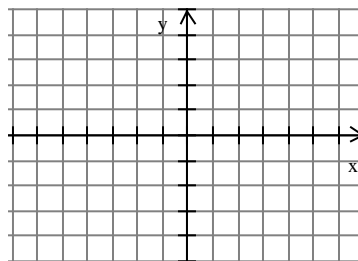
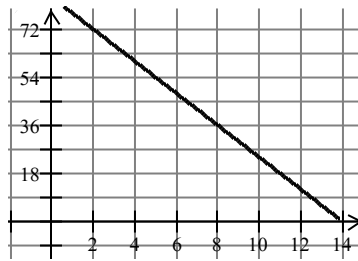
Show all work for credit. Also, give exact answers unless otherwise noted.

1. Graph the rate of change for each function.

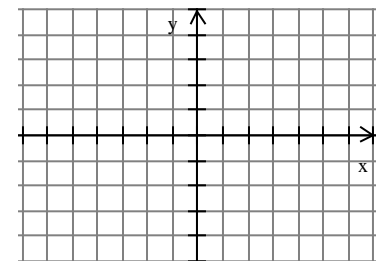
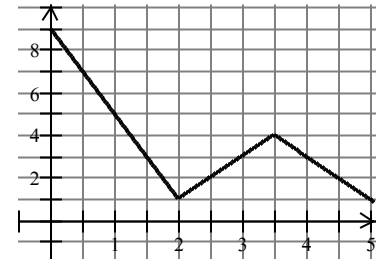
(a) Distance a snail moved in cm as a function of time in hrs.



(b) Water depth in inches as a function of time in minutes.



(c) Money in millions of \$ as a function of time in months.



2. Use the following graph of a function f to find a good approximation for:

(a) the average rate of change over each interval.

(b) the derivative

[2, 5]

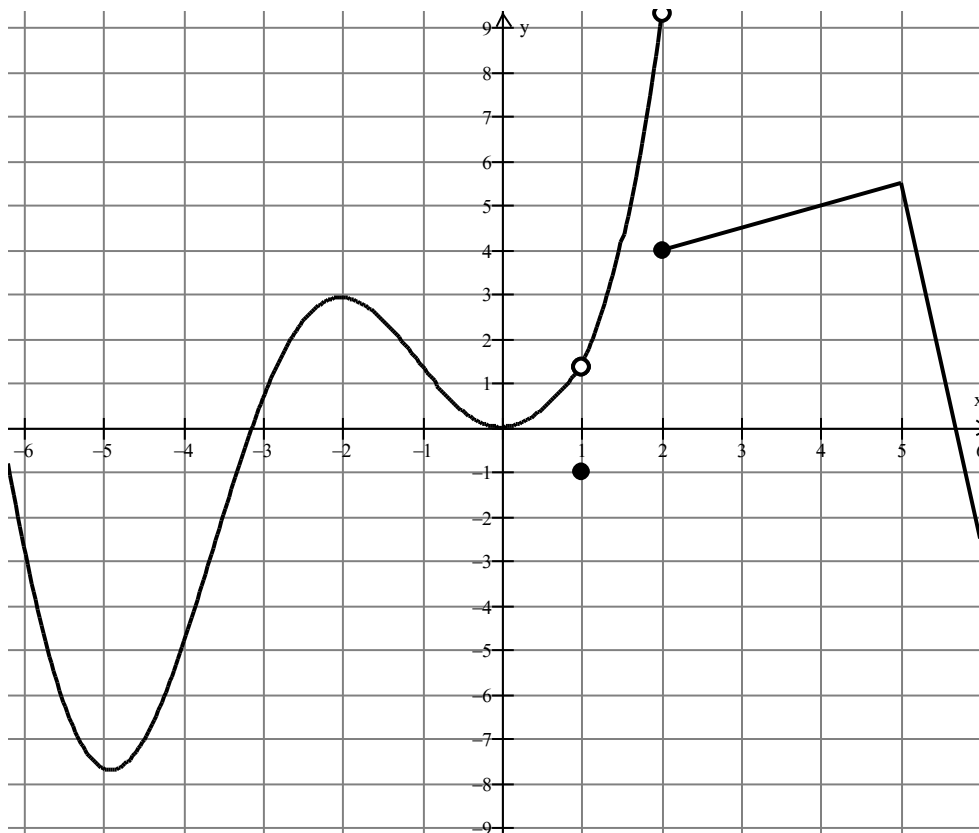
[5, 6]

[4, 6]

[-6, 6]

[-2, 1]

[-2, 0]



$f'(3)$

$f'(5.8)$

$f'(5)$

$f'(-2)$

$f'(-4)$

$f'(-1)$

$f'(1)$

$f'(2)$

$f'(0)$

$f'(1.5)$

$f'(-5.5)$