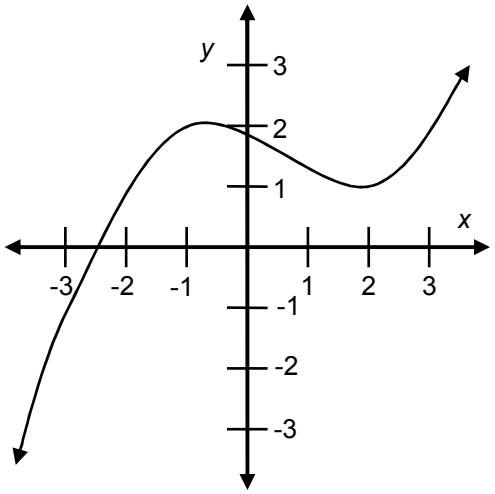
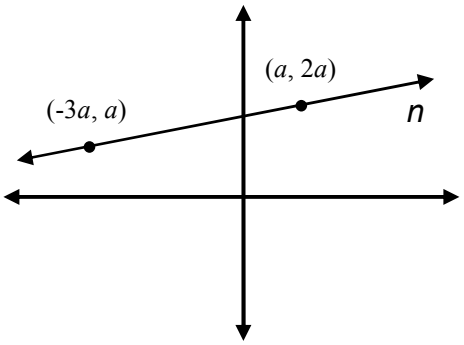


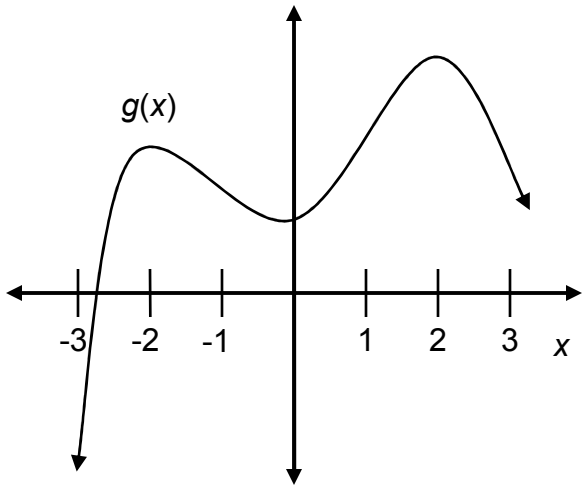
1. The graph of $y = f(x)$ is shown above. If $f(-1) = m$, then what is the value of m?

(A) -3
(B) 2
(C) 1
(D) -2
(E) -1



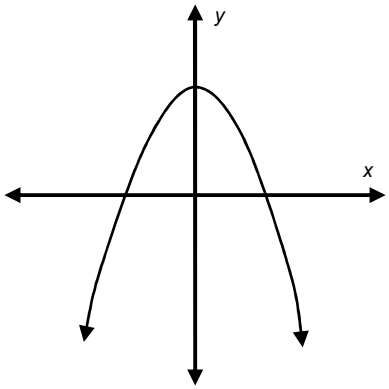
2. In the figure above, what is the slope of line n?

(A) $\frac{1}{4}$
(B) 4
(C) -4
(D) $-\frac{1}{4}$
(E) $4a$



3. The graph above shows the graph of the function g. For what value of x is $g(x)$ the greatest?

(A) -3
(B) -2
(C) 0
(D) 1
(E) 2



4. Which *x*-*y* chart could represent the *x* and *y* values of the function shown above?

(A)

x	*y*
-1	1
0	2
1	1

(B)

x	*y*
-1	2
0	1
1	0

(C)

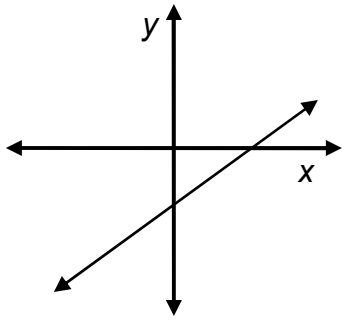
x	*y*
-1	-1
0	- 2
1	-1

(D)

x	*y*
-1	-2
0	2
1	4

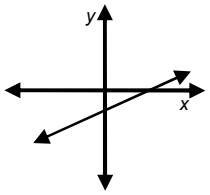
(E)

x	*y*
-1	2
0	1
1	2

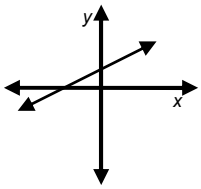


5. Above is the graph of the line *m*. If line *m* is expressed by the function $f(x) = ax + b$ then which of following could be the graph of line *n* which is expressed by the function $g(x) = bx + a$?

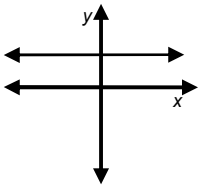
(A)



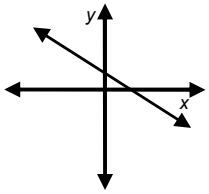
(B)



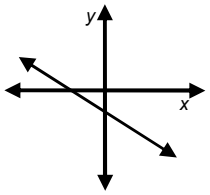
(C)

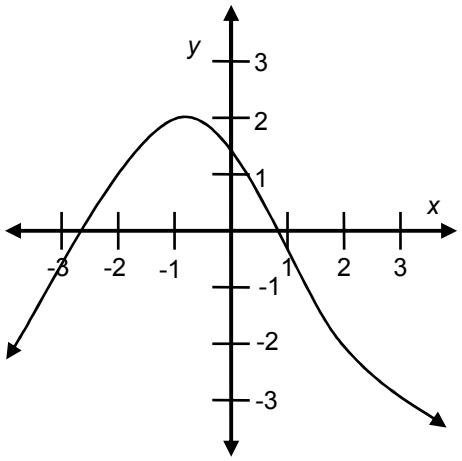


(D)



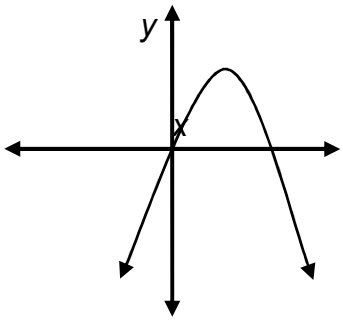
(E)





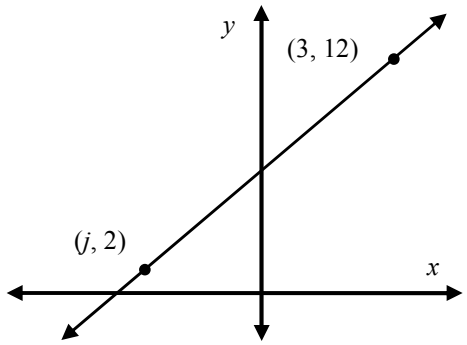
6. The graph of the function f is shown above. If $f(2) = p$, then what is the value of $f(p)$?

(A) -2
(B) 2
(C) -3
(D) 1
(E) -1



7. The graph of $y = ax^2 + bx$ is shown above. Which of the following could be the values of a and b?

(A) $a = 5$, $b = 4$
(B) $a = 5$, $b = -4$
(C) $a = -5$, $b = 4$
(D) $a = -5$, $b = -4$
(E) $a = -5$, b = 0



8. In the figure above the slope of the line is $\frac{5}{3}$. What is the value of j?

(A) -4
(B) -3
(C) -2
(D) -1
(E) 0

ANSWER KEY

1. B
2. A
3. E
4. A
5. D
6. D
7. C
8. B