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) 4\( a \)

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)  
\[
\begin{array}{c|c}
 x & y \\
-1 & 1 \\
0 & 2 \\
1 & 1 \\
\end{array}
\]

(B)  
\[
\begin{array}{c|c}
 x & y \\
-1 & 2 \\
0 & 1 \\
1 & 0 \\
\end{array}
\]

(C)  
\[
\begin{array}{c|c}
 x & y \\
-1 & -1 \\
0 & -2 \\
1 & -1 \\
\end{array}
\]

(D)  
\[
\begin{array}{c|c}
 x & y \\
-1 & -2 \\
0 & 2 \\
1 & 4 \\
\end{array}
\]

(E)  
\[
\begin{array}{c|c}
 x & y \\
-1 & 2 \\
0 & 1 \\
1 & 2 \\
\end{array}
\]

5. Above is the graph of the line $m$. If line $m$ is expressed by the function $f(x) = ax + b$ then which of the 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