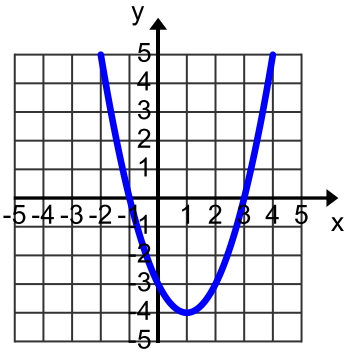
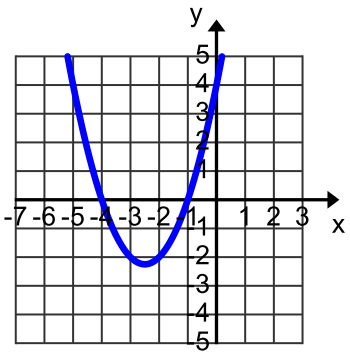
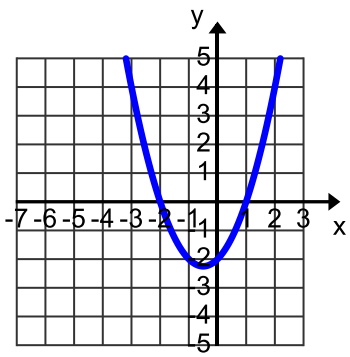
11-3 Zeros of Graphed Equations

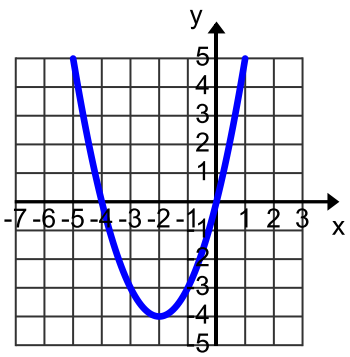
Name: _____ Time› Start: _____ Finish: _____ Total Time = _____

Based on the zeros, determine which equation best represents the graphed function. Pick the correct letter for each graph from all the given options.





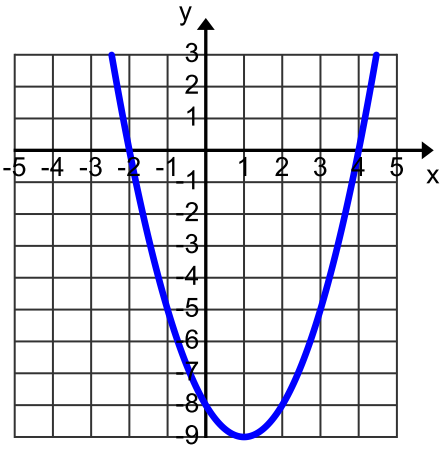




Graph 1: ____ Graph 2: ____ Graph 3: ____ Graph 4: ____

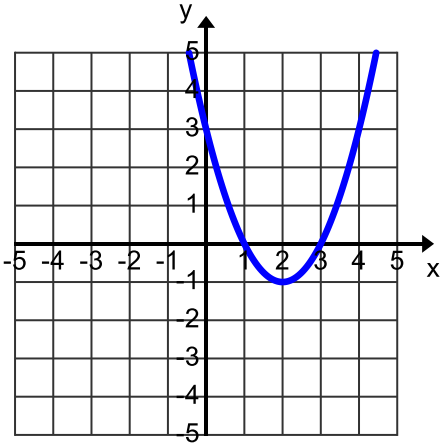
A. $y = (x + 1)(x - 4)$
B. $y = (x + 1)(x + 4)$
C. $y = (x - 1)(x + 3)$
D. $y = (x + 1)(x - 3)$
E. $y = (x + 2)(x - 4)$
F. $y = (x + 2)(x - 4)$
G. $y = (x + 2)(x - 1)$
H. $y = (x)(x - 4)$
I. $y = (x)(x + 4)$

5. The graph of $y = x^2 - 2x - 8$ is shown.
What are the solutions to $x^2 - 2x - 8 = 0$?



A. $x = 1$ and $x = -9$
B. $x = 0$ and $x = -8$
C. $x = -2$ and $x = 4$
D. $x = -4$ and $x = 2$

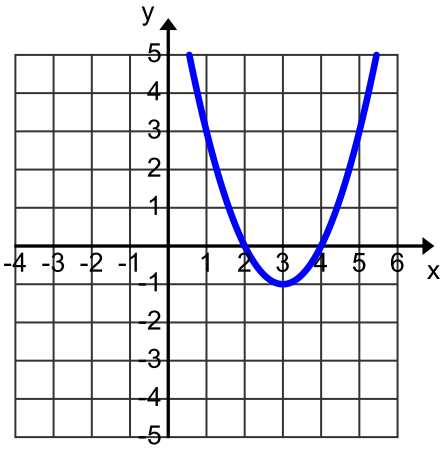
6. The graph of $y = x^2 - 4x + 3$ is shown.
What are the solutions to $x^2 - 4x + 3 = 0$?



A. $x = 1$ and $x = -3$
B. $x = 0$ and $x = 2$
C. $x = 1$ and $x = 2$
D. $x = 1$ and $x = 3$

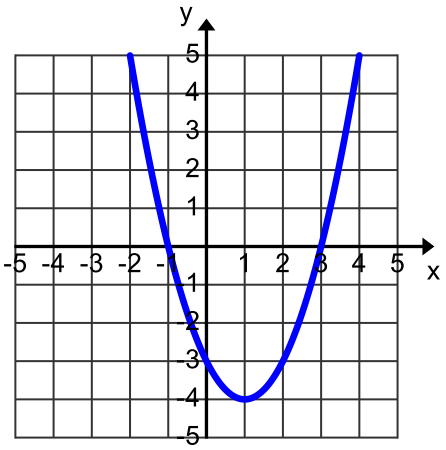
7. The graph of $y = x^2 - 6x + 8$ is shown.
What are the solutions to $x^2 - 6x + 8 = 0$?

Answer: _____



8. The graph of $y = x^2 - 2x - 3$ is shown.
What are the solutions to $x^2 - 2x - 3 = 0$?

Answer: _____



9. The graph of $y = x^2 - 4x$ is shown.
What are the solutions to $x^2 - 4x = 0$?

Answer: _____