
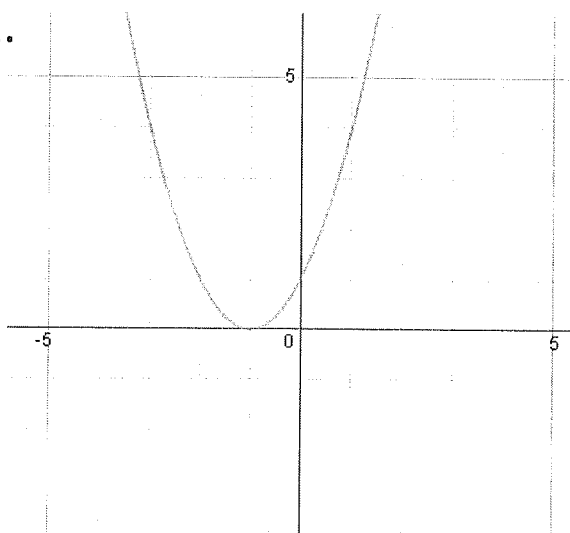


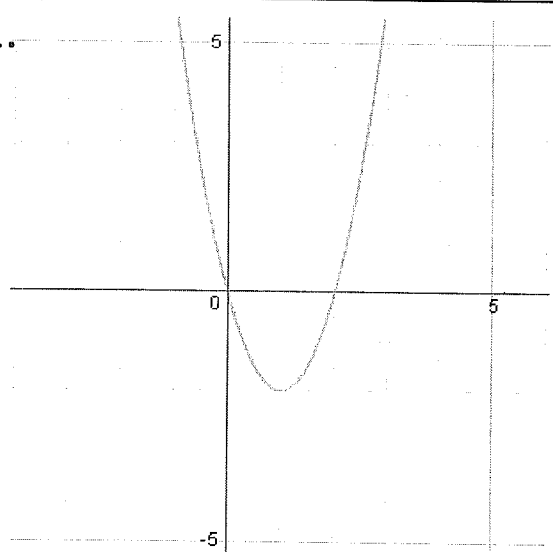
Match each graph with the equation in standard form, vertex form, factored form, the roots/zeros, and the vertex.

Standard Form	Graph	Vertex Form	Factored Form	Roots/Zeros	Vertex
A $y = x^2 + 2x + 1$					
B $y = x^2 - 4$					
C $y = 2x^2 - 4x$					
D $y = x^2 - 8x + 16$					
E $y = x^2 - 8x + 12$					
F $y = -2x^2 - 16x - 30$					
G $y = x^2 + 2x$					
H $y = x^2 + 6x + 8$					
I $y = -x^2 + 1$					
J $y = -3x^2 + 18x - 24$					
K $y = x^2 - 2x + 3$					
L $y = x^2 - 2x - 8$					

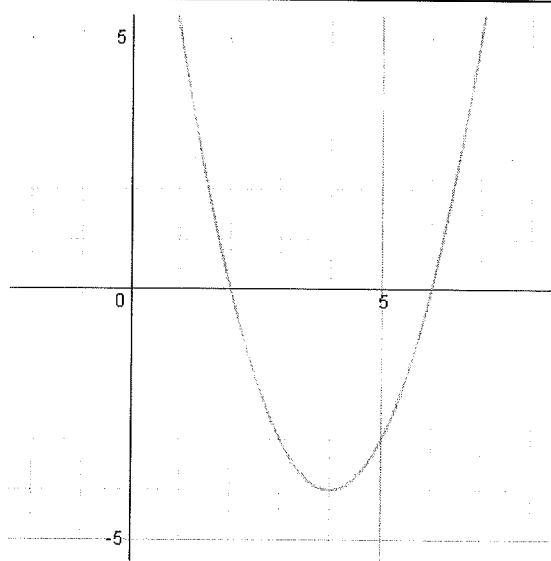
1.



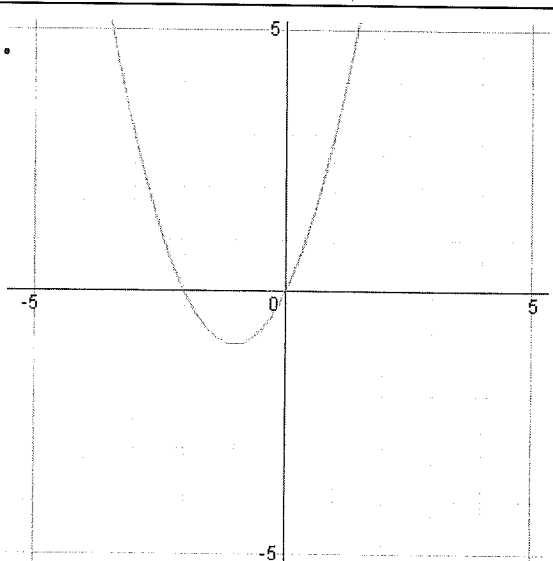
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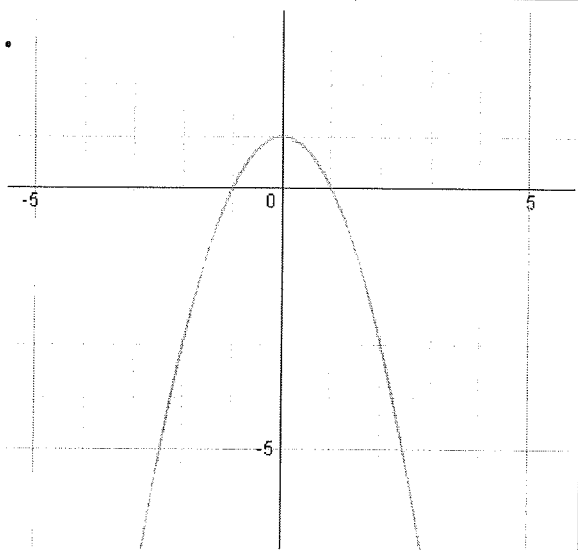
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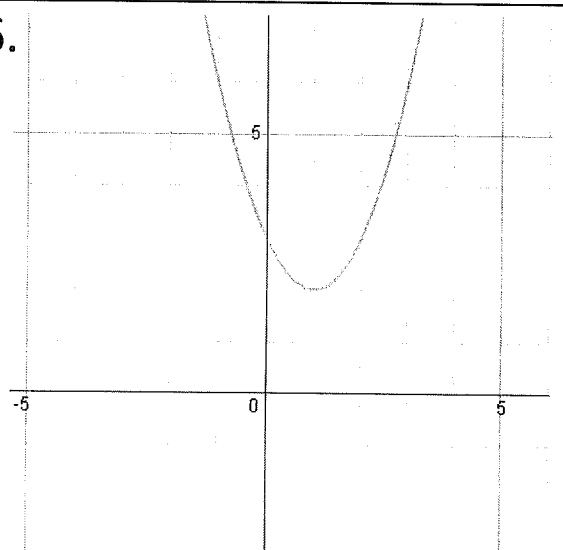
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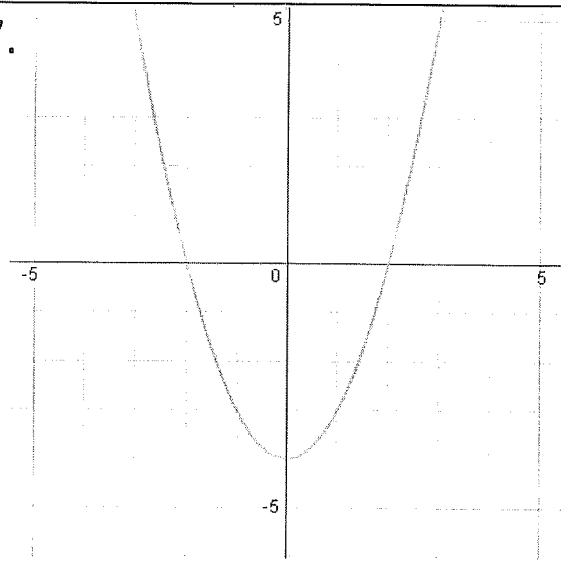
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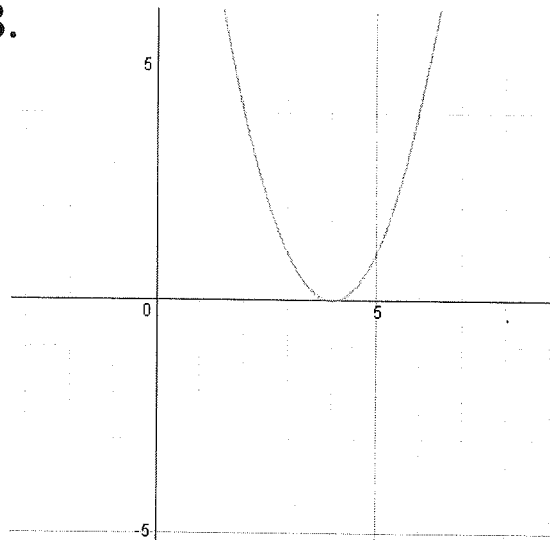
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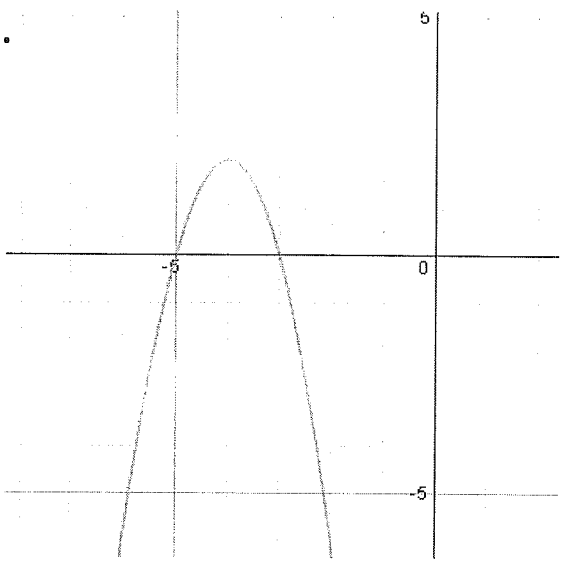
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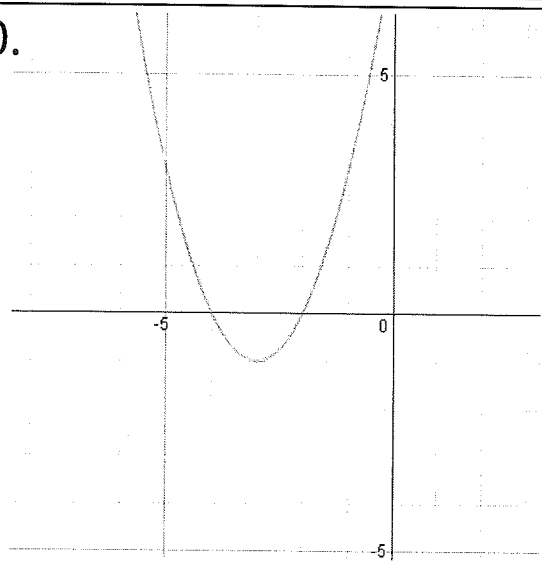
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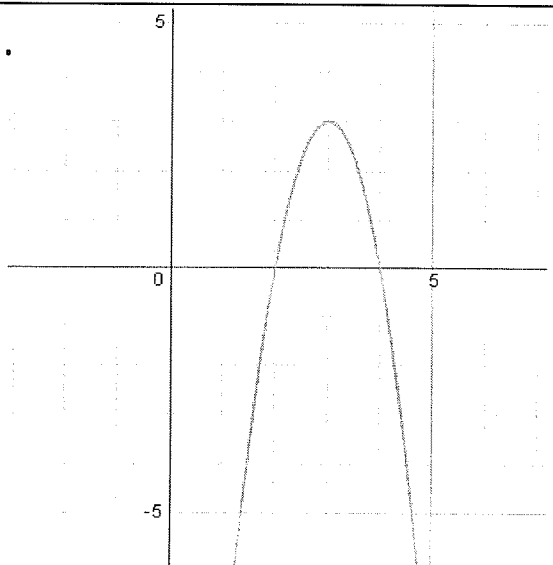
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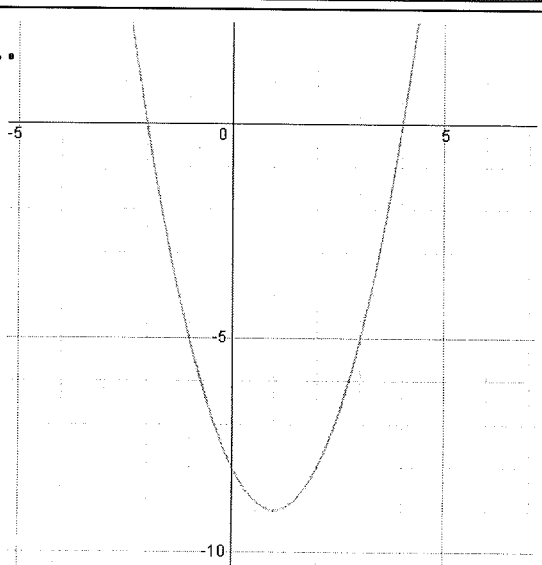
10.



11.



12.



A $(x + 4)(x + 2)$	B $x(x + 2)$
C $-3(x - 4)(x - 2)$	D $-(x + 1)(x - 1)$
E Can't be factored	F $(x - 4)(x + 2)$
G $(x + 2)(x - 2)$	H $(x + 1)(x + 1)$
I $2x(x - 2)$	J $(x - 4)(x - 4)$
K $(x - 6)(x - 2)$	L $-2(x + 5)(x + 3)$

Factored Form

A None	B $x = -2$ $x = 4$
C $x = -1$ $x = 1$	D $x = 2$ $x = 4$
E $x = 0$ $x = -2$	F $x = -4$ $x = -2$
G $x = 2$ $x = 6$	H $x = -3$ $x = -5$
I $x = 0$ $x = 2$	J $x = 4$
K $x = -1$	L $x = 2$ $x = -2$

Zeros

A $(0, -4)$ **B** $(-1, 0)$ **C** $(1, 2)$ **D** $(1, -9)$ **E** $(0, 1)$ **F** $(3, 3)$ **G** $(-3, -1)$ **H** $(-1, -1)$ **I** $(4, -4)$ **J** $(-4, 2)$ **K** $(1, -2)$ **L** $(4, 0)$

Vertex