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$34 y = \chi^2 - 3\chi + 2$ a=1 b=-3 c=2	$39 y=3X^2-6X+3 a=3 b=-6 c=3$	BG y=GX ² -2x+4 a=G b=-2 cet
$b^{2} - 4ac$ $(-3)^{2} - 4(1XZ)$ 9 - 8 $1 \implies 2$ solutions	b ² -4ac (-6) ² -4(3)(3) 36 - 36 0⇒1 solution	$b^{2} - 4ac$ $(-2)^{2} - 4(6)(4)$ t - 96 $-92 \Rightarrow N^{0}$
a=1 so graph opens f so the vertex must be BELOW the X-axis	Vertex is the X-intercept So ON the X-axis	-92⇒ No sol. a=6 so the graph opens 1 so the vertex Must be ABOVE the X-axis

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