

Cubic Graph	Rubric	
	Points	Section points
1. Shows correct work such as: a. $2^3 - 2 - 6 = 0$, so $x = 2$ is a solution to $x^3 - x - 6 = 0$ Gives correct answer such as: (2, 0) b. Gives correct explanation such as: Graph cuts $y = 0$ only once, so there is only one value of x for which $y = 0$.	1 1 1	3
2. Gives correct answer: (0, -6) Translation with vector $\begin{pmatrix} 0 \\ 6 \end{pmatrix}$ (or equivalent correct description) <i>Partial credit</i> For a partially correct response	1 2 (1)	3
3. Draws correct sketch of graph Gives correct answers: $x = 1$, $x = 0$, $x = -1$	2 2	4
Total Points		10