

P-119 degree = 4 solutions

$$x^4 - x^3 + 2x^2 - 4x - 5 = 3$$

$$y_1 = x^4 - x^3 + 2x^2 - 4x - 8$$

Solutions

$$x = -1$$

$$x = 2$$

$$x = 2i$$

$$x = -2i$$

1) $\begin{array}{r|rrrrrr} 1 & 1 & -1 & 2 & -4 & -8 \\ & & -1 & 2 & -4 & 8 \\ \hline & 1 & -2 & 4 & -8 & 0 \end{array}$

2) $\begin{array}{r|rrrr} 1 & 1 & -2 & 4 & -8 \\ & & 2 & 0 & 8 \\ \hline & 1 & 0 & 4 & 0 \end{array}$

$x^2 + 4 = 0$

$\sqrt{x^2} = \sqrt{-4}$

$|x| = 2i$

			(P-109)		
	6.3 A & 6.3 B	I can solve polynomial equations.	6.3A #1-3, 6 (P-113)		☹ ☹ ☹
			6.3B #2-8 (P-118)		☹ ☹ ☹
	6.3 C		6.3C #1-6 (P-123)		☹ ☹ ☹
5/13	Review	Unit 6 Part 1 Review	# 6 (P-125)		

Unit 6 Quiz

5

6

pick 1 long division