

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Product of a Binomial and a Trinomial

A. Find the product of the following.

$$(x - 1)(x^2 + x + 3)$$

1. Using the box method

	x^2	x	3
x			
-1			

Answer: _____

2. Using the vertical method

$$\begin{array}{r} x^2 + x + 3 \\ \times \quad x - 1 \\ \hline \end{array}$$

Answer: _____

$$(x + 5)(2x^2 - x + 4)$$

3. Using the box method

	$2x^2$	$-x$	4
x			
5			

Answer: _____

4. Using the vertical method

$$\begin{array}{r} 2x^2 - x + 4 \\ \times \quad x + 5 \\ \hline \end{array}$$

Answer: _____

B. Which of the methods is the easiest and most appropriate to use when determining the product of the given problem? Why? (6 points)