

Name: _____

Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Factoring Quadratic Trinomials in the Form $ax^2 + bx + c$,
where $a \neq 1$

A. Solve and write your solution on the space provided for each item.

Factor each trinomial completely.

1. $2x^2 - 11x + 15$

2. $5x^2 + 12x + 4$

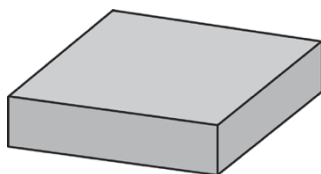
Factor each trinomial using the ac-product or factoring by grouping method.

3. $2x^2 + 24x + 35$

4. $6x^2 - x - 15$

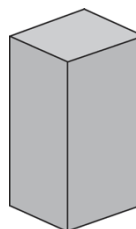
Find the dimensions of the figures below with respect to their volumes.

5.



$V = (12x^3 + 14x^2 + 4x)$ cubic units

6.



$V = (6x^3 + 15x^2 + 6x)$ cubic units

B. Enumerate the steps in factoring quadratic trinomials in the form $ax^2 + bx + c$ where $a \neq 1$ by grouping.

1.

2.

3.

4.