

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## **Factoring Trinomials ORQ**

Factor the following expression, and give a step-by-step explanation of your procedure. *(Be detailed enough so that someone who does not know how to factor would be able to use your procedure on a different trinomial.)*

$$6x^2 - 11x - 10$$

## Key Features ORQ

Give a **step-by-step explanation** of how to find the key features of the parabola created when the following equation is graphed. Describe the mathematical reasoning behind the process you use to determine each feature. Your answers should include calculated values.

Key features: y-intercept, x-intercept(s), LOS, vertex

$$y = 2x^2 - 7x + 5$$