

# Thursday, September 21, 2017

I can sketch parent functions.

I can describe the characteristics of parent functions.

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## **SLOT: Multiplying Binomials AND Factoring Quadratics When a = 1 (QUIZ FRIDAY!)**

1.  $(x - 7)^2$

Factor

2.  $x^2 + 14x + 45$

$$1. (x - 7)^2$$

$$(x-7)(x-7)$$

$$x^2 - 7x - 7x + 49$$

$$x^2 - 14x + 49$$

Factor

$$2. \quad x^2 + 14x + 45$$



A handwritten purple 'X' is drawn over the numbers 9, 14, 5, and 45, which are arranged in a 2x2 grid. The numbers are written in a simple, slightly slanted font.

$$(x+5)(x+9)$$