

**DO NOW**

Factor each of the problems below:

1.  $y = x^2 + 10x + 24$

2.  $y = x^2 - 6x + 8$

3.  $y = x^2 - 4x - 21$

**CHECK POINT #1**

Factor the quadratic

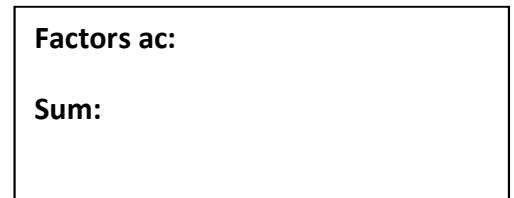
$y = 2x^2 + 11x + 12$



$y = 2x^2 - 7x + 6$

Factors ac:

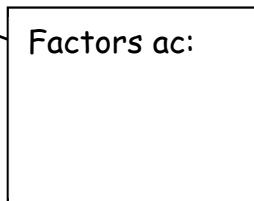
Sum:

**CHECK POINT #2**

Factor the quadratic (all addition)

$y = 2x^2 + 9x + 10$

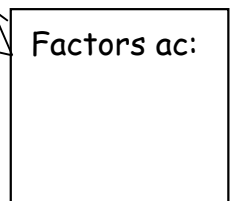
Factors ac:



$y = ( \quad + \quad )( \quad + \quad )$

$y = 3x^2 + 14x + 8$

Factors ac:



$y = ( \quad + \quad )( \quad + \quad )$

**CHECK POINT #3**

Factor the Quadratics (negatives)

$$y = x^2 - 7x + 6$$

$$y = 3x^2 - 16x + 5$$

**EXIT TICKET**

SELF ASSESS: \_\_\_\_\_

Factor the quadratics (all positive)

1.  $y = 2x^2 + 9x + 9$

$$y = ( \quad + \quad )( \quad + \quad )$$

3.  $y = 2x^2 + 6x - 8$

$$y = ( \quad + \quad )( \quad - \quad )$$

Factor the quadratic (all negative)

2.  $y = 4x^2 - 7x + 3$

$$y = ( \quad - \quad )( \quad - \quad )$$

4.  $y = 3x^2 - 2x - 5$

$$y = ( \quad + \quad )( \quad - \quad )$$