

Tuesday, February 19, 2019

- Warm-up

- Multiply the following:

$$5x(x^2 - 2x + 6)$$

$$5x^3 - 10x^2 + 30x$$

$$(x - 5)(x + 7)$$

$$x^2 + \underline{7x} - \underline{5x} - 35$$

$$x^2 + 2x - 35$$

$$(4x + 1)(2x - 5)$$

$$8x^2 - \underline{20x} + \underline{2x} - 5$$

$$8x^2 - 18x - 5$$

- Talk about tests
- Review and extend factoring

Objectives:

Content: I will review the factoring process and practice it.

Social: I will support my group members in their efforts.

Language: I will explain my reasoning to my teacher and group members.

Completing the Square



<http://bit.ly/2URBAcU>



Focus & Directrix



<http://bit.ly/2SNGhHu>

Math 2

Unit 4B Quadratics 2

18 NO SCHOOL Presidents' Day	19 Go over Tests Review Factoring	20 Difference of Squares <i>Perfect squares</i>	21	22 Review Graphing
25 Focus & Directrix	26 More Graphing	27 Review for Test	28	29 Unit 4 Test B



Talk about Tests

feedback

Review Factoring plus

$$x^2 - 6x - 7$$

$x \cdot -7 \cdot 1$

$$(x - 7)(x + 1)$$

$$x^2 - 5x + 6$$

$6 \cdot 1$
 $2 \cdot 3$

$$(x - 2)(x - 3)$$

$$\frac{5x + 35}{5}$$
$$5(x + 7)$$

$x \cdot x \cdot x$ $x \cdot x$

$$\frac{8x^2 + 32}{8}$$
$$8(x^2 + 4)$$

$2 \cdot 2$

$$8(x^2 + 0x + 4)$$

$$\frac{4x^2 - 24x + 32}{4}$$

$4 \cdot -4 \cdot 2$

$$4(x^2 - 6x + 8)$$
$$4(x - 4)(x - 2)$$

$$\frac{3x^3 + 6x^2 + 3x}{3x}$$
$$3x(x^2 + 2x + 1)$$
$$3x(x + 1)(x + 1)$$
$$3x(x + 1)^2$$

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

The equation above represents a parabola in the xy -plane. Which of the following equivalent forms of the equation displays the x -intercepts of the parabola as constants or coefficients?

- A) $y - 8 = x^2 - 6x$
- B) $y + 1 = (x - 3)^2$
- C) $y = x(x - 6) + 8$
- D) $y = (x - 2)(x - 4)$

Exit Slip

- Choose an answer
- Explain your reasoning (show your process).
- Choose an incorrect answer, explain the mistake someone who chose that one made.