

## Warm-up 3-1

Factor each expression.

1.  $7x(y + 9) - 12x^2(y + 9)$

2.  $8x^4 + 4x^3 - 2x^2$

3.  $12a^3 - 9a^2 + 20a - 15$

# Warm-up 3-1

Factor each expression.

1.  $7x(y + 9) - 12x^2(y + 9)$

$(y + 9)(7x - 12x^2)$

$(y + 9)(7 - 12x)$

3.  $(12a^3 - 9a^2) + (20a - 15)$

$2 \cdot 2 \cdot 3 \cdot a \cdot a \cdot a$   
 $- 3 \cdot 3 \cdot a \cdot a$

$2 \cdot 2 \cdot 5 \cdot a$   
 $- 3 \cdot 5$

$(2 \cdot 4a - 3) + 5(4a - 3)$

$(4a - 3)(3a^2 + 5)$

2.  $8x^4 + 4x^3 - 2x^2$

~~$2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x \cdot x$~~   
 ~~$2 \cdot 2 \cdot x \cdot x \cdot x$~~   
 ~~$2 \cdot x \cdot x$~~

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

~~$-4x^2$~~   ~~$4x^2$~~   ~~$-4$~~   
 ~~$2x$~~   ~~$-1$~~   ~~$2 \cdot 2$~~   
 ~~$4 \cdot 1$~~

Finish any work that you have not completed this unit.

See Miss Luttrell for any help.

# Homework

pg. 484 #7-19 (odd)

Finish Edpuzzles