Questions from Homework

(a) 
$$(\frac{4}{9} - 16x^{3})$$
  
(a)  $(\frac{3}{4} + 4x)(\frac{3}{3} - 4x)$ 

$$(3x+4)^{3} - (3x+4)^{3}$$

$$(3x+4)^{3} + (3x+4)^{3}$$

$$(3x+4)^{3} + (3x+4)^{3}$$

$$(3x+4)^{3} - (3x+4)^{3}$$

$$(3x+4)^{3} - (3x+4)^{3}$$

$$A = 14 \times 10 = 140 \text{ cm}^{3}$$

$$A = 1 \times \omega$$

$$A = 1 \times 3 \times = 33 \times \text{ with}$$

$$A = Jx\omega$$

$$A = 5x(x+4)$$

$$A = 5(x+4)$$

$$A = 5x+20$$

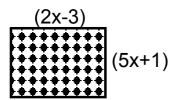
$$H = X_0 + 5x - 8$$

$$- + - = \partial$$

$$- x - = -8$$

$$- x = -8$$

$$- x = -8$$



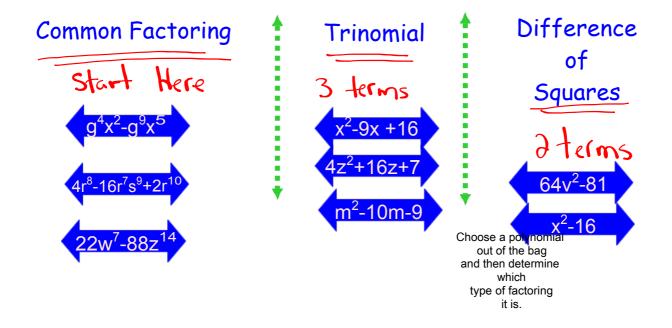
$$(2x-3)(5x+1)$$
  
 $10x^2+2x-15x-3$   
 $10x^2-13x-3$ 

Which of the following can be represented by a rectangle?  $\rightarrow$  length  $\times$  width

$$\frac{3}{3} + \frac{10}{2} = \frac{5}{3}$$

$$\frac{3}{3} \times \frac{10}{3} = \frac{30}{3}$$

$$5a^{2}-12a-6$$
 \_\_+\_=-12  
Not Possible!! \_\_x\_=-30  
-30  
1x-30  
3x-15  
 $5x-6$ 



## How are your Factoring Skills?

## Factor each of the following:

1. 
$$15m^5n^3p - 30n^7p^3 + 60m^4n^8p^5$$

2. 
$$x^2 - 2x - 35$$

$$3. \quad 270xy^2 - 180x^3y - 90xy$$

4. 
$$5x^2 + 14xy - 3y^2$$

5. 
$$4x^2 - 14x - 8$$

1.  $15m^5n^3p - 30n^7p^3 + 60m^4n^8p^5$ 

$$5_{x-7}=-2$$

$$5_{x-7}=-35$$
2.  $x^2-2x-35$ 

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

$$1x-35$$

$$5x-7$$

3. 
$$270xy^2 - 180x^3y - 90xy$$

- 4.  $5x^2 + 14xy 3y^2$ 
  - Prime (Nothing Common)

5. 
$$4x^{2} - 14x - 8$$

$$-30 \times -16 = -32$$

$$(x + \frac{3}{4})(x - \frac{16}{4})$$

$$4x - 8$$

$$(2x + \frac{1}{6})(x - 4)$$

$$(3x + \frac{1}{6})(x - 4)$$

Homework

$$0 - 45b^{5} - 5$$
  
 $-5(9b^{5} + 1)$