Oustions from Homework

(a)
$$(\frac{4}{9} - 16x^{2})$$
(b) $(\frac{3}{3} + 4x)(\frac{3}{3} - 4x)$

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

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

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

$$(5x+4)^{3} - (3x+4)^{3}$$

$$(5x+4)^{3} - (3x+4)^{3}$$

$$(5x+4)^{3} - (3x+4)^{3}$$

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

$$A = 1 \times \omega$$

 $A = 1 \times 3 \times = 33 \times \omega$

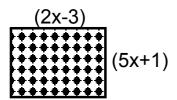
$$A = Ixw$$
 $A = 5x(x+4)$
 $A = 5(x+4)$
 $A = 5x+20$

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

$$- + - = \partial$$

$$- x - = -8$$

$$- x$$



$$(2x-3)(5x+1)$$

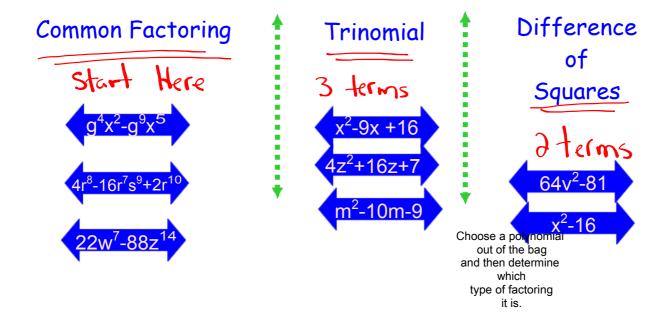
 $10x^2+2x-15x-3$
 $10x^2-13x-3$

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

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

$$5_{x-7}=-35$$

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

$$-35$$

$$1x-35$$

$$5x-7$$

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

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

Prime (Nothing Common)

$$\frac{1}{1} + \frac{8}{8} = -7$$

$$\frac{1}{1} \times \frac{8}{8} = -8$$

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

 $2(2x^2 - 14x - 4)$

$$\frac{3(x+\frac{1}{5})(x-\frac{8}{5})}{3(3x+1)(x-4)}$$

Homework

$$0 - 45b^{5} - 5$$

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