

1. Factor:  $\frac{14x^3y^2}{7x} - \frac{28x^2}{7x} + \frac{7xy}{7x}$

$$7x(2x^2y^2 - 4x + y)$$

2. Factor:  $\frac{6x^2}{6} + \frac{66x}{6} + \frac{60}{6}$

$$6(x^2 + 11x + 10)$$

$$(x^2 + x)(10x + 10)$$

$$\otimes (x+1) \otimes 10 (x+1)$$

$$\rightarrow 6(x+10)(x+1)$$

$$a=1 \quad b=11$$

$$c=10$$

$$ac=10$$

1	10
2	5

3. Factor:  $\frac{5x^2}{5} - \frac{30x}{5} + \frac{40}{5}$

$$5(x^2 - 6x + 8)$$

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

$$\otimes (x-2) \otimes -4 (x-2)$$

$$\rightarrow 5(x-4)(x-2)$$

$$a=1 \quad b=-6$$

$$c=8$$

$$ac=8$$

-1	8
-2	4

# **Return of Friday's Pop Quiz**

Questions??

# Factoring Quiz

**-GCF**

**-Grouping**

**-AC Method**