

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

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

2. Factor:  $6x^2 + 66x + 60$

$$\begin{aligned} &6(x^2 + 11x + 10) \\ &(x^2 + x) + 10x + 10 \\ &\textcircled{x}(x+1) \textcircled{10}(x+1) \\ &\boxed{6(x+10)(x+1)} \end{aligned}$$

$$\begin{aligned} a &= 1 \\ b &= 11 \\ c &= 10 \\ ac &= \frac{10}{1 \mid 10} \end{aligned}$$

3. Factor:  $5x^2 - 30x + 40$

$$\begin{aligned} &5(x^2 - 6x + 8) \\ &(x^2 - 4x) + (-2x + 8) \\ &\textcircled{x}(x-4) \textcircled{-2}(x-4) \\ &\boxed{5(x-2)(x-4)} \end{aligned}$$

$$\begin{aligned} a &= 1 \\ b &= -6 \\ c &= 8 \\ ac &= \frac{8}{-4 \mid -2} \end{aligned}$$

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

Questions??

# Factoring Quiz

**-GCF**

**-Grouping**

**-AC Method**