

## Math 40 - Quiz #3

Be sure to use PROPER mathematical notation and **show some steps**. Use back of page if needed.  
Leave answers as reduce fractions if needed.

1. Simplify completely using order of operations,

a.  $|-5 \cdot 2^3 + 2 \cdot 3^2| - 2$

b.  $\frac{30 - 4|6 - 4(3 - 2)|}{4^2 + 2(-6)}$

2. Draw a line to the property being demonstrated

Distributive Property

$$7(4 \cdot 6) = (7 \cdot 4) \cdot 6$$

Associative Property of Multiplication

$$\frac{-1}{13} + 0 = \frac{-1}{13}$$

Commutative Property of Addition

$$3\left(\frac{1}{2}x - 4\right) = \frac{3}{2}x - 12$$

Associative Property of Addition

Additive Identity

$$-4 + 6 = 6 + (-4)$$

Additive Inverse