

August 29, 2016

- * Quiz #2 - Wednesday
- * Office Hours - 740
- * Math Jam Tuesday - 320
12:00 - 2:00
- * Math Tutor - Michael Joy.
SAC

Aug 29-9:16 AM

Algebra's Power Tools

① Commutative Prop. $+$ \cdot

Order changes, but the result is the same.

$$a + b = b + a$$

$$a \neq b \in \mathbb{R}$$

$$5 + 2 = 2 + 5$$

$$7 = 7$$

② Associative Prop. $+$ \cdot

Order does not change, but association does. Result is the same.

$$a + (b + c) = (a + b) + c$$

$$5 + (2 + 3) = (5 + 2) + 3$$

$$5 + (5) = (7) + 3$$

$$10 = 10$$

Aug 29-9:28 AM

① $(3x) + (5 + 4x)$
unlike terms

② $3x + (4x + 5)$ *Comm.*
order changed

③ $(3x + 4x) + 5$ *assoc.*
like terms

④ $7x + 5$

Aug 29-9:41 AM

③ Distributive Prop.

$$a \cdot (b + c) = a \cdot b + a \cdot c$$

Aug 29-9:47 AM