

August 25, 2015

- \* Quiz #2 - Friday
- \* My Algebra Success Guide #1 - One Friday
- \* Math Jam Fridays  
12:00 pm - 2:00 pm  
Room 320

Aug 25-9:07 AM

Power Tools

- \* ③ Distributing Tool

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

$$2(x+3) = 2x + (2 \cdot 3)$$

$$= 2x + 6$$

$$4y - 28 = 4(y-7)$$

Aug 25-9:23 AM

④ Additive Inverse

$a + (-a) = 0$

$6 + (-6) = 0$   
 $-\frac{1}{2} + (\frac{1}{2}) = 0$

$a + (-a) = (-a) + a$

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①  $x + 4 = 8$   
 $-4$   
 $x + 0 = 4$   
 $x = 4$

②  $2x - 3 = 9 + 1x$   
 $-1x + 3$   
 $x + 0 = 12 + 0$   
 $x = 12$

Aug 25-9:30 AM

⑤ Multiplicative Inverse

$\frac{a}{1} \cdot \frac{1}{a} = \frac{a}{a} = 1$

$24 \cdot \frac{1}{24} = 1$

$\frac{2}{3} \cdot \frac{3}{2} = \frac{6}{6} = 1$

$\frac{2x}{2} = \frac{8}{2}$   
 $x = 4$

$\frac{1}{2} \cdot \frac{2}{1} \cdot \frac{x}{1} = \frac{8}{1} \cdot \frac{1}{2}$   
 $1 \cdot x = 4$   
 $x = 4$

Aug 25-9:43 AM