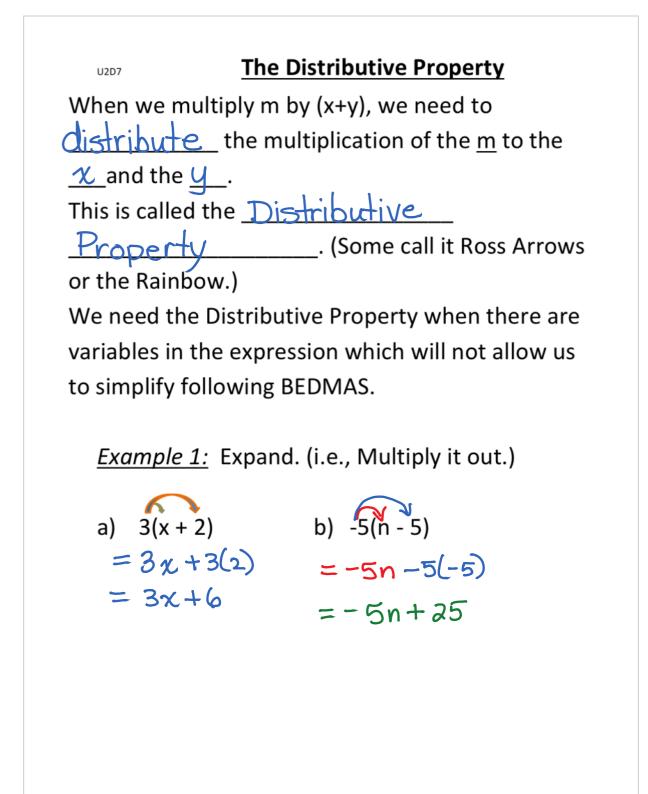
U2D7_T_Distributive Property

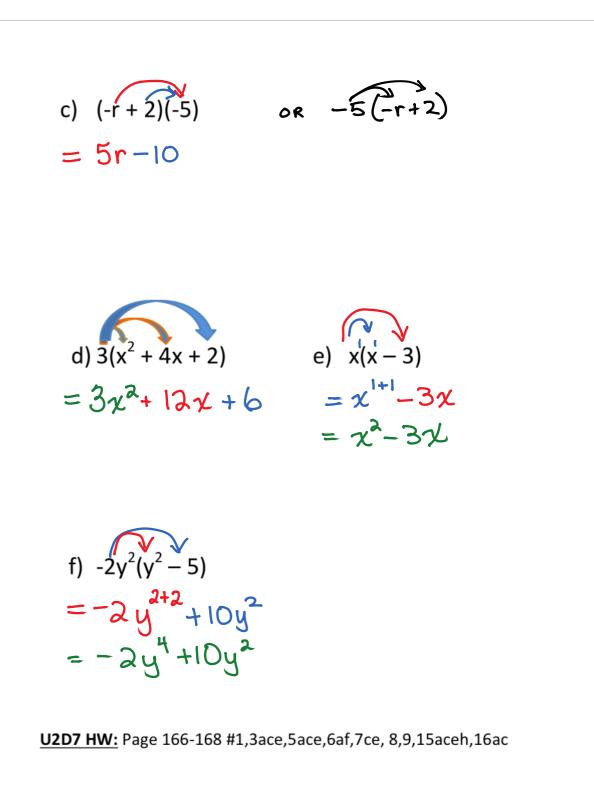
Saturday, February 10, 2018 10:33 PM





U2D7_T_Di stributive ...





<u>Example 2</u>: Expand and Simplify. (i.e., Multiply it out then collect like terms.)

a)
$$3(x+2) - 3(-2x+4)$$

 $= 3x + 6 + 6x - 12$
 $= 9x - 6$
b) $x(x+2) - 3(x^{2}+4)$
 $= x^{2} + 3x - 3x^{2} - 12$
 $= -3x^{2} + 3x - 12$

c)
$$2x^{2}[x - 3(x+4)]$$

= $3x^{2}[x - 3x - 12]$
= $3x^{2}(-2x - 12)$
= $-4x^{3} - 24x^{2}$

* Follow BEDMAS and simplify as much as you can inside the brackets before you apply the distributive property.

U2D7 HW: Page 166-168 #1,3ace,5ace,6af,7ce, 8,9,15aceh,16ac