

Y Practice with the Distributive Property



Expand and simplify: (kiss those brackets bye-bye!)

1. $3(a+9)$

2. $4(2x+3)$

3. $-5(2+5x)$

4. $2(y-6x)$

5. $-7(1+10x) = +13$

6. $3(x+1) = 16$

7. $8(x+2y+3)$

8. $-3(4a+5b+6c)$

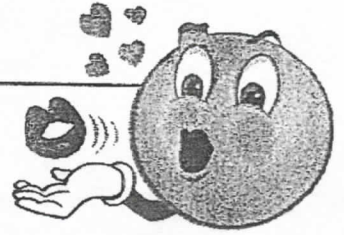
9. $-(x-y+2)$

10. $10+2(4x-3) = 20$

11. $13-(x-2)$

12. $7(4+b)-12 = 37$

Y Practice with the Distributive Property



Expand and simplify: (kiss those brackets bye-bye!)

1. $3(a+9)$
 $3a+27$

2. $4(2x+3)$
 $8x+12$

3. $-5(2+5x)$
 $-10-25x$

4. $2(y-6x)$
 $2y-12x$

5. $-7(1+10x) = +13$
 $-7-70x = 13$
 $-70x = 20$
 $x = -\frac{2}{7}$

6. $3(x+1) = 16$
 $3x+3 = 16$
 $3x = 13$
 $x = \frac{13}{3}$ or $4\frac{1}{3}$

7. $8(x+2y+3)$
 $8x+16y+24$

8. $-3(4a+5b+6c)$
 $-12a-15b-18c$

9. $-(x-y+2)$
 $-x+y-2$

10. $10+2(4x-3) = 20$
 $10+8x-6 = 20$
 $8x+4 = 20$
 $8x = 16$
 $x = 2$

11. $13-(x-2)$
 $= 13-x+2$
 $= 15-x$

12. $7(4+b)-12 = 37$
 $28+7b-12 = 37$
 $7b+16 = 37$
 $7b = 21$
 $b = 3$