

Name: Kay

Class:

Topic:

Date:

Main Ideas/Questions	Notes		
<p>THE DISTRIBUTIVE PROPERTY</p> <p>$a(b + c) = ab + ac$</p>	1. $7(x + 4)$ $7x + 28$	2. $2(b - 3)$ $2b - 6$	3. $-4(y + 3)$ $-4y - 12$
	4. $-5(m - 2)$ $-5m + 10$	5. $-(y - 9)$ $-y + 9$	6. $8(-b + 4)$ $-8b + 32$
	7. $-4(-w - 10)$ $4w + 40$	8. $5(2m - 3)$ $10m - 15$	9. $-3(2x - 4)$ $-6x + 12$
	10. $3(m + n)$ $3m + 3n$	11. $x(y + 4)$ $xy + 4x$	12. $d(c - 4)$ $cd - 4d$
	13. $6a(b + 2c)$ $6ab + 12ac$	14. $2(x - y + 8)$ $2x - 2y + 16$	15. $x(2y - 5z + 1)$ $2xy - 5xz + x$
	16. $\frac{1}{4}(8x - 4)$ $2x - 1$	17. $\frac{1}{6}\left(\frac{3}{5}x + 18\right)$ $\frac{1}{10}x + 3$	18. $-\frac{1}{8}\left(\frac{4}{5}x - 24\right)$ $-\frac{1}{10}x + 3$
<p>Put it all together...</p> <p>DISTRIBUTE & Combine Like Terms!</p>	1. $8(2x - 3) - 6x$ $16x - 24 - 6x$ $10x - 24$		2. $9(2k - 4) - 2(7k - 12)$ $18k - 36 - 14k + 24$ $4k - 12$
	3. $10 - (y - 6) - y$ $10 - y + 6 - y$ $-2y + 16$		4. $6 + 8(4w - 7) - (2w + 1)$ $6 + 32w - 56 - 2w - 1$ $30w - 51$
	5. $\frac{9}{4}\left(\frac{10}{3}x - 4\right) - \frac{1}{4}(2x - 8)$ $7x - 7$		$\frac{7}{8}\left(\frac{4}{5}x + \frac{2}{6}\right) + \frac{3}{5}\left(\frac{1}{2}x - \frac{2}{10}\right)$ $\frac{7}{10}x + 14 + \frac{3}{10}x - 6$ $1x + 8$