The Distributive	Property
 . Simplify each expression.	
a) 3(x+4)+x	b) -3(x+4) + x
C) 5x +2(3-x)	d) 5x - 2(3-x)
e) 3(x-4) +4(x+1)	$(x^2 + 1)^2 + (x^2 + 1)^2 + $
g) $4-(x-2)+(x+1)$	b) -3-2(x-3)-3k
	j) 3a-2x-(-3x+a)

The Distributive Property

1. Simplify each expression.

$$6) -3(x+4) + x$$

$$-3x - 12 + x$$

$$(-2x - 12)$$

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

 $5x + 6 - 2x$
 $3x + 6$

c)
$$5x + 2(3-x)$$
 d) $5x - 2(3-x)$
 $5x + 6 - 2x$ $5x - 6 + 2x$
 $3x + 6$ $7x - 6$

e)
$$3(x-4) + 4(x+1)$$
 $3(x-4) + 4(x+1)$
 $7x = 8$

e)
$$3(x-4) + 4(x+1)$$
 f) $-3(x-4) - 4(x+1)$
 $3x-12+4x+4$ $-3x+12-4x-4$
 $7x-8$ $= 7x+8$

9)
$$4-(x-2)+(x+1)$$

 $4-(x-2)+(x+1)$
 $4-(x-2)+(x+1)$

$$\begin{array}{c} W -3 - 2(x-3) - 3x \\ -3 - 2x + 6 - 3x \\ (-5x + 3) \end{array}$$

$$\frac{3a - 2x - (-3x + a)}{3x - 2x + 3x - a} \\
\frac{2a + x}{2x + 3x - a}$$