



## Notes: Distributing a Negative

**Example:**

$$-2(x - 4)$$

$$-2(x - 4)$$

$$-2(x) - 2(-4)$$

$$-2x + 8$$

**Example: Just the -**

$$(n^2 - 3) - (7 - n + 3n^2) - (4n + 1 - 8n^2)$$



Watch out for:



**Tips:**



**Now You Try:**

$$-3(x - 7)$$

$$(x^2 - 4) - (8 - x + 4x^2) - (5x + 2 - 9x^2)$$

**What about "double distribution"?**

**Example:**

$$3a(2a + 5) - 4(3a - 5)$$



**Now You Try:**

$$2x(4x + 6) - 5(4x - 7)$$



**Tips:**