# Macintosh HD:Users:Amit:Progs:ExcelerateLive:HTML:ml.png Excelerate Lesson Plan

**Distributing Terms**

**About These Problems**

**Distributing terms involves multiplying a coefficient out and then solving the equation using algebraic properties. These are often coupled with word problems.**

**Question.**  Solve for x if y = 1.

3\*(x+2y) = 14

1. 1/2
2. 1/3
3. 1/4
4. 1/5
5. 1/6

**Answer.** **2**: Distribute the 3 to the entire portion in parentheses. Substitute y as 1. Gather all the x terms on the left side and the constants on the right side.

6x+12y = 14 6x = 2 x = 1/3