

## Problem Set

1. Use the distributive property to write the following expressions in expanded form.
  - a.  $4(x + y)$
  - b.  $8(a + 3b)$
  - c.  $3(2x + 11y)$
  - d.  $9(7a + 6b)$
  - e.  $c(3a + b)$
  - f.  $y(2x + 11z)$
  
2. Create a model to show that  $2(2x + 3y) = 4x + 6y$ .