

1) Use the distributive property to rewrite the following expressions. Do not simplify.

a.  $4(x + 4) =$

b.  $(2x - 3y)5 =$

c.  $2(3a - 7 + 2b) =$

d.  $x(6 + 3) =$

2) Simplify each expression (collect like terms).

a.  $3(x + 2y) + 5(3 - 5x) =$

b.  $3(2a - b) + 6b =$

c.  $3x + 5y - 7 + x + 2y =$

d.  $12x - 6y + 2x - 9 + y =$

3) Factor the following expressions (using the distributive property in reverse).

a.  $4x + 4y =$

b.  $3x - 6y + 9 =$

c.  $2a + 4b =$

d.  $3w - 11w =$

e.  $7x - 14y + 35 =$

f.  $3a - 21b + 18c =$