

# The Distributive Property Exit Quiz

Simplify the following expressions:

1.  $\frac{3}{4}(5a + 2) - \frac{1}{2}(3a - 5)$

2.  $-\frac{2}{5}(2x + 3) + \frac{3}{4}(3x - 7)$

3.  $7 - 2(5n - 8m)$

4.  $3(2a - 4b) - 4(a - 3b)$

5. Kelly bought \$478 worth of books and notebooks. Each book cost \$14 and each notebook cost \$3. If 42 items is bought, how many books and notebook did Kelly bought?

Let:  $x = \text{number of books}$   
 $42 - x = \text{number of notebooks}$