

**2.3****Challenge Practice**

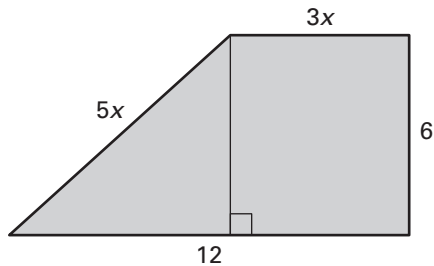
For use with pages 78–83

**Simplify the expression.**

1.  $5a + 8(a - 6) + 25$
2.  $6(11 - y) - 7(4 - 3y)$
3.  $4(7 + 2t) - 3(t - 2) + 5(8 - 6t)$
4.  $10(4m + 1) - 6m + 3(12 - 15m)$
5.  $10(2a + 3) - 2(4 - b) + 5b - a$
6.  $6(x + y) - 3(2x - 3y)$
7. You are going to buy beads to make necklaces and bracelets for your friends. Let  $m$  be the number of multi-color beads that you buy. You plan on getting twice as many clear beads as multi-color beads and 15 more solid-color beads than multi-color beads. Write an expression that represents the total number of beads that you will buy.

**Write and simplify an expression for the perimeter and area of the figure.****The figures are composed of right triangles and rectangles.**

8.



9.

