

2.3**Challenge Practice**

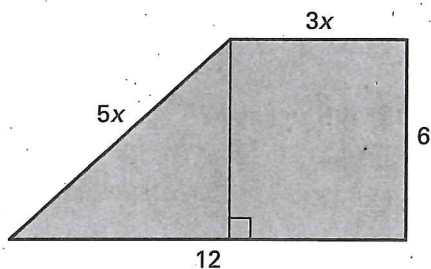
For use with pages 78-83

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.

