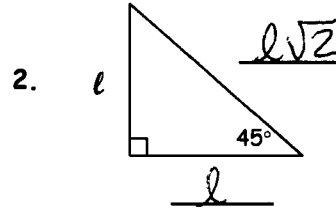
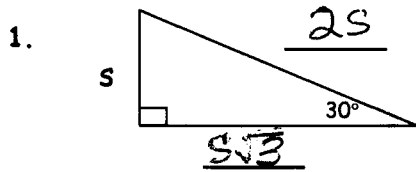


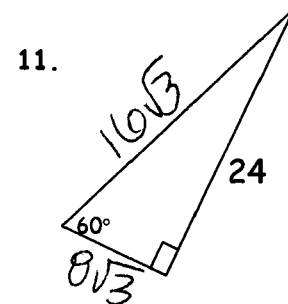
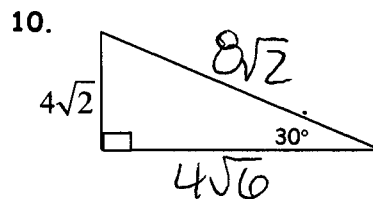
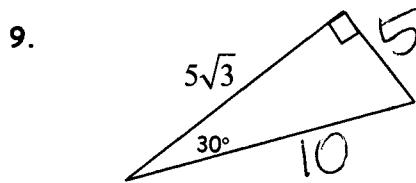
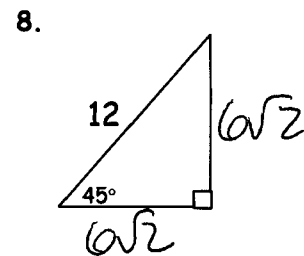
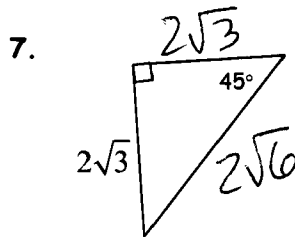
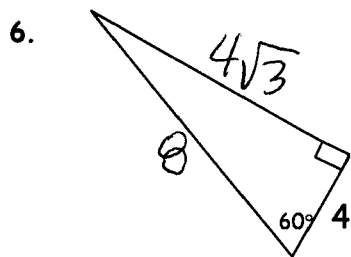
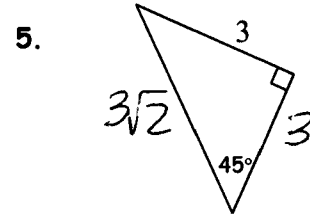
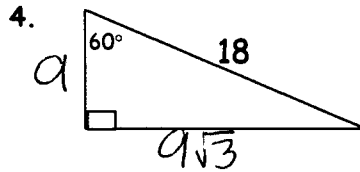
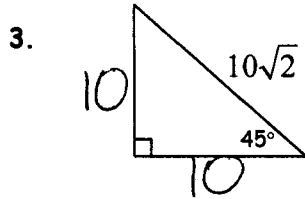
8-3 Special Right Triangles Review

Name Master E
 Date _____ Block _____

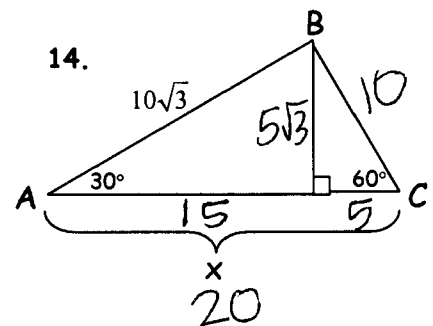
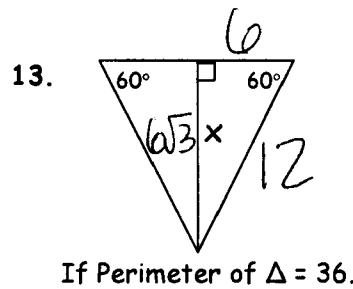
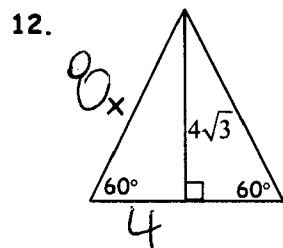
A. Fill in the formula in terms of x .



B. Fill in all missing sides on each right triangle. DO NOT USE THE CALCULATOR!

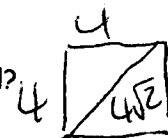


C. Find x in each picture



D. Solve. (Hint: Draw and label picture).

15. If the length of a side of a square is 4, what is the length of the diagonal?



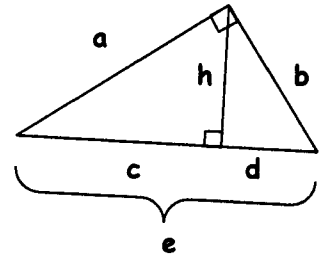
16. Find the perimeter of ΔABC in problem #14 above.

$10\sqrt{3} + 30$

8-1 Geometric Mean Review

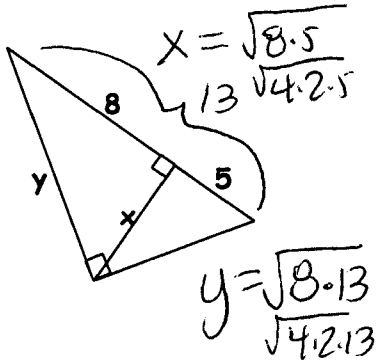
Write out the formulas for the triangle on the right.

$$a^2 = ce \quad b^2 = de \quad h^2 = cd$$

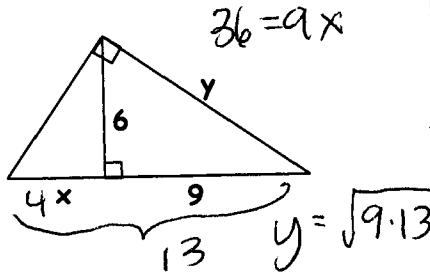


Write a proportion for each relationship and solve. Put answers in simplified radical form.

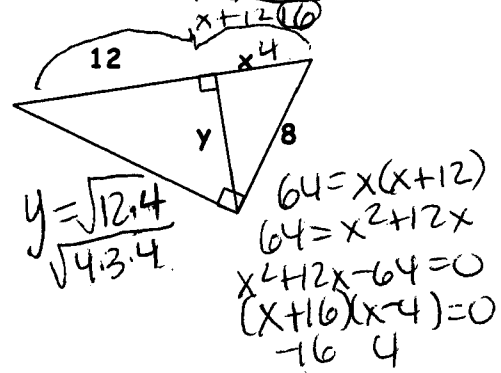
1. $x = 2\sqrt{10}$ $y = 2\sqrt{26}$



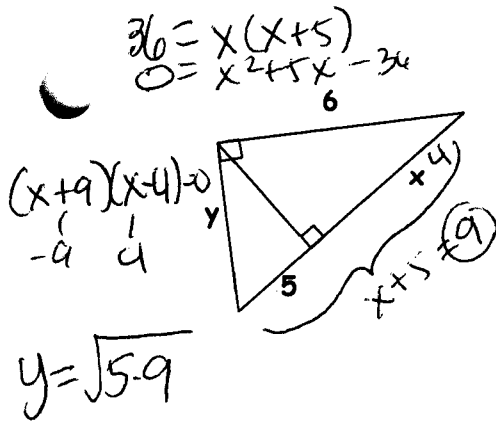
2. $x = 4$ $y = 3\sqrt{13}$



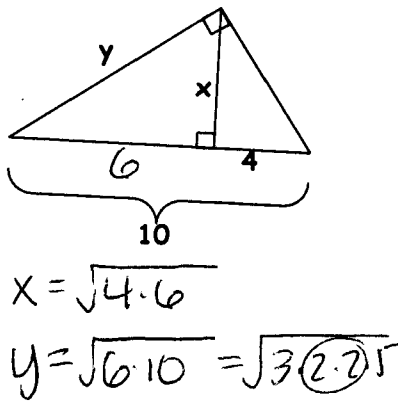
3. $x = 4$ $y = 4\sqrt{3}$



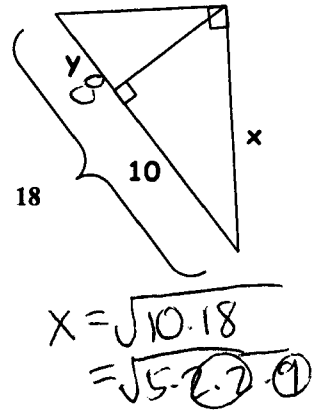
4. $x = 4$ $y = 3\sqrt{5}$



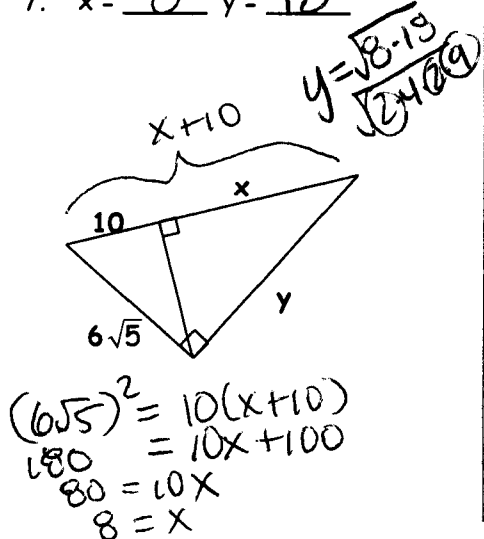
5. $x = 2\sqrt{6}$ $y = 2\sqrt{15}$



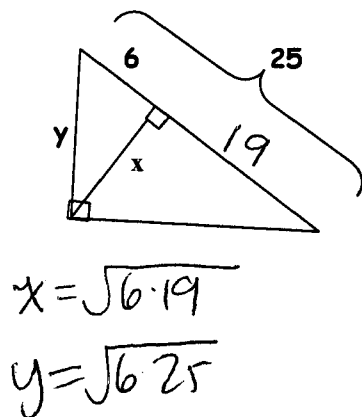
6. $x = 6\sqrt{5}$ $y = 8$



7. $x = 8$ $y = 12$



8. $x = \sqrt{114}$ $y = 5\sqrt{6}$



9. $x = 2\sqrt{46}$ $y = 2\sqrt{62}$

