Special Right Triangles

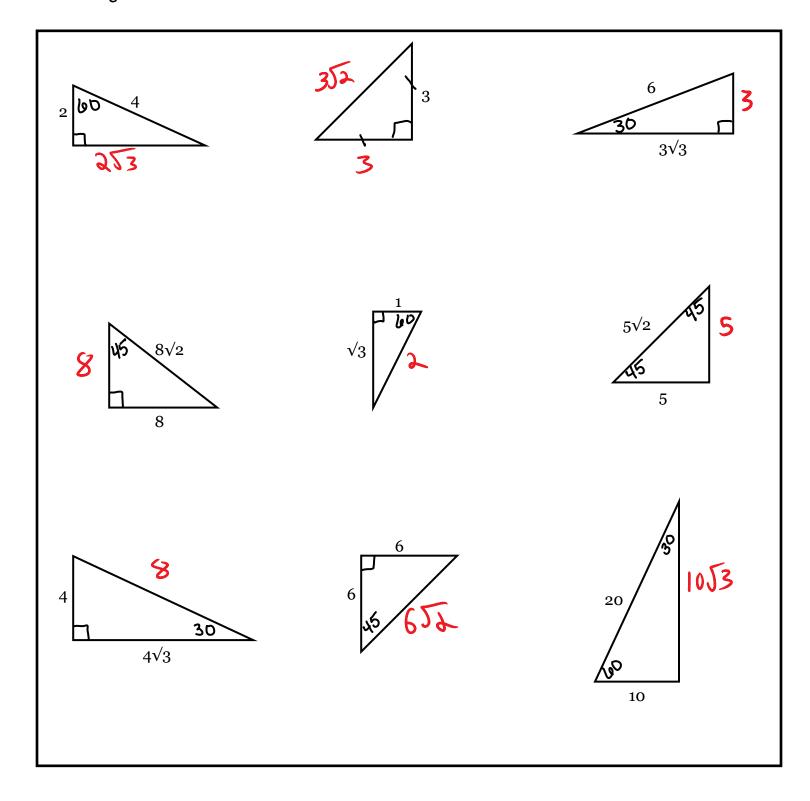


<u>Directions:</u> With your group, you will be completing the three tasks.

The first two tasks refer to the set of triangles in the box below. .

Task #1

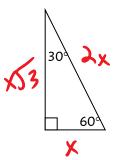
In the box **BELOW** there are 9 different triangles that are missing angles or sides. Use Pythagorean theorem and what you know about the angles of a triangle to **find the missing sides** and angles.

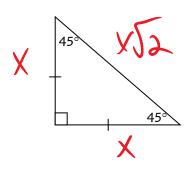


9.7 Notes

Task #2

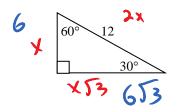
Now that we have discovered the relationships lets label the ratios of the sides of these special right triangles!

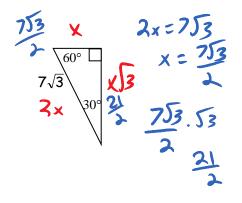


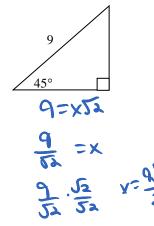


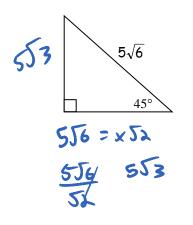
Task #3- PRACTICE! remaining sides.

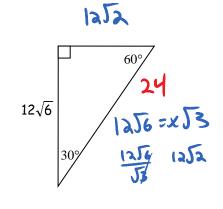
In each of the following triangles, find the lengths of the two

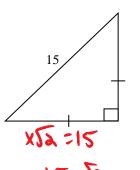


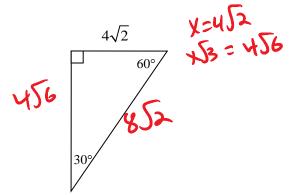


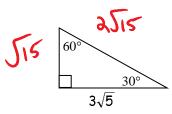


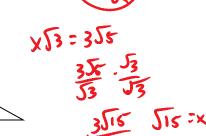




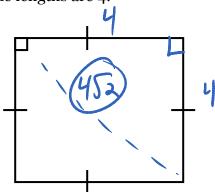




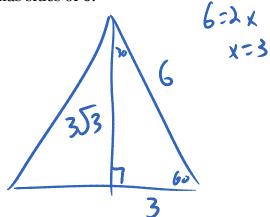




Find the length of the diagonal of the square if the side lengths are 4.



Find the height of an equilateral triangle that has sides of 6.



and span
Red hex land h Special Right Triangles

