1. List the perfect squares from 1 to 100.

2. Simplify each of the following radicals.

 $\sqrt{18}$

 $\sqrt{27}$

 $\sqrt{8}$

 $\sqrt{12}$

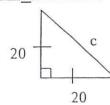
$$\sqrt{50}$$

 $\sqrt{75}$

 $\sqrt{72}$

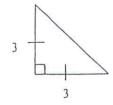
 $\sqrt{108}$

45°-45°-90° Triangles are Isosceles Right Triangle with 2 legs of equal length.

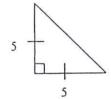


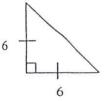
$$c 20^2 + 20^2 = c^2$$

3. Use the Pythagorean Theorem to find the hypotenuse of the following triangles.



2





4. Did you find a pattern? Use the pattern to label the missing sides of the following 45°-45°-90° triangles.

