1. List the perfect squares from 1 to 100.

2. Simplify each of the following radicals.

$$\sqrt{18}$$

$$\sqrt{27}$$

$$\sqrt{8}$$

$$\sqrt{12}$$

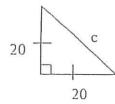
$$\sqrt{50}$$

$$\sqrt{75}$$

$$\sqrt{72}$$

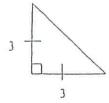
$$\sqrt{108}$$

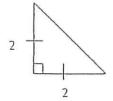
45°-45°-90° Triangles are Isosceles Right Triangle with 2 legs of equal length.

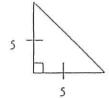


$$c 20^2 + 20^2 = c^2$$

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







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

