**Objective:**

**Do Now:**  Are triangles with the following sides lengths right triangles?

1. 2, 5, 7
2. 4, 5, 3
3. 27, 26, 4

**Guided Practice:** Finding a missing side in a right triangle. Use the two given sides and the Pythagorean Theorem to find the missing side length.

1. A triangle whose hypotenuse in unknown but has legs of length 6 and 8.
2. A triangle with a hypotenuse of 17 and one side length of 15

**Independent Practice:**

1. Two legs of lengths 9 and 12
2. Two legs of length 7 and 24
3. Hypotenuse of 34 and leg 16
4. Hypotenuse 39 and length 15
5. Two legs 12 and 35
6. Two legs 30 and 40
7. Hypotenuse 53 and leg 28

**Finding a Pattern: Common Pythagorean Triples**

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the sides of a Pythagorean Triple Right Traingle are also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Example: