Vocabulary: Pythagorean Theorem



**Vocabulary**

* Converse – a statement formed by switching the hypothesis and the conclusion of a conditional statement.
	+ For example, the converse of the statement, “If it’s a school day, then I get up at 6:00 a.m.,” is, “If I get up at 6:00 a.m., then it’s a school day.”
* Hypotenuse – the side of a right triangle opposite the right angle.

**leg**

**leg**

**hypotenuse**

* The hypotenuse is the longest side of a right triangle.
* Legs (of a right triangle) – the two sides of a right triangle that form the right angle.
* Pythagorean Theorem – a theorem stating that, for any right triangle, *a*2 + *b*2 = *c*2, where *a* and *b* are the lengths of the legs of the triangle and *c* is the length of the hypotenuse.
* Right triangle – a triangle that contains one right angle.