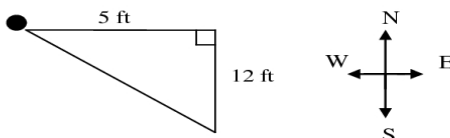


WORD PROBLEMS FOR PYTHAGOREAN THEOREM

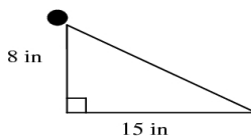
Page 1

You do not need to copy the problems.

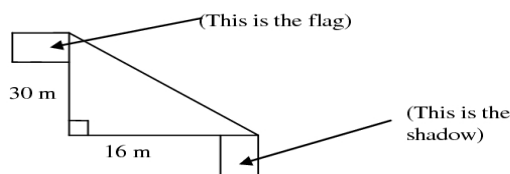
1. Jeff walked 5 feet west then 12 feet south. How far is he from his starting point? (The dot marks his starting point.)



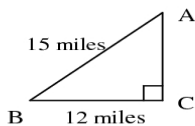
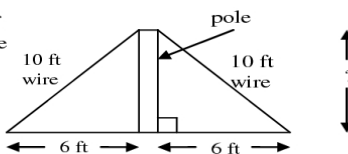
2. A spider crawled 8 inches down a wall then 15 inches across the floor. How far is the spider from its starting point? (The dot marks its starting point.)



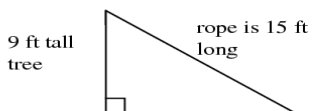
3. A 30 m flagpole casts a 16 m shadow. How far is it from the top of the flagpole to the tip of the shadow?



4. A pole is held straight up by two 10 ft wires stuck in the ground. If the base of the pole is 6 feet from the end of each of wires, at what height from the ground are the wires attached to the pole?



5. The distance from point A to point B is 15 miles. The distance from point B to point C is 12 miles. How far is it from point A to Point C?



6. A tree is 9 ft tall. A 15 ft rope is attached to the top of the tree and stretched tight so it is also attached to the ground as shown in the picture. How far is it from the bottom of the tree to the spot where the rope is attached to the ground?