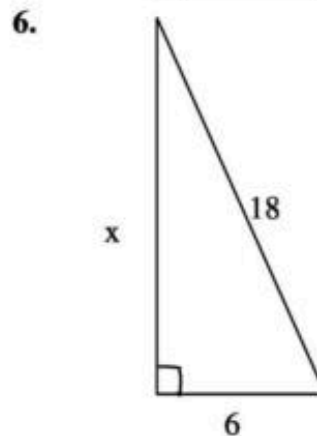
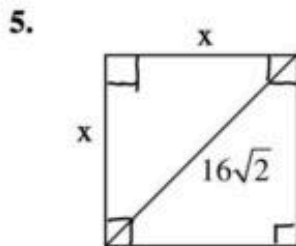
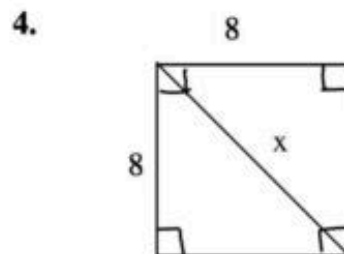
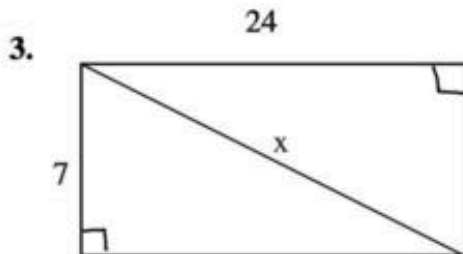
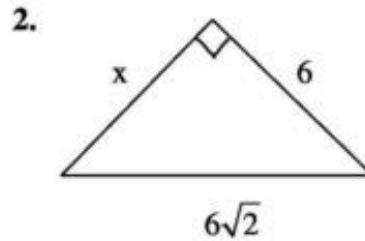
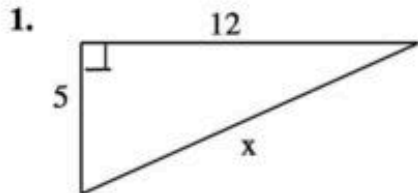


## Pythagorean Theorem Worksheet Review

Please use a separate sheet of paper to show all work.

In 1-6 Find the value of  $x$ .



7. A rectangle has a length of 3 feet and a width of 4 feet. Find the length of a diagonal.
8. Find the length of a diagonal of a square with perimeter 16 meters.
9. A 28 foot ladder leans up against a building and reaches the base of a window that is 20 feet high. How far is the base of the ladder from the base of the building?
10. A support wire is needed to help stabilize a telephone pole. If the wire is to be attached at the top of the 30 foot telephone pole and it must be anchored to the ground 40 feet from the base of the telephone pole, what is the length of the support wire?