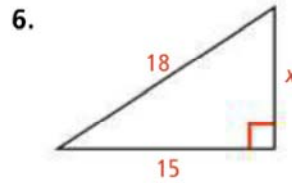
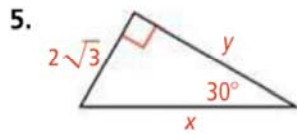
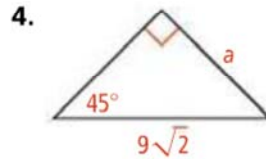
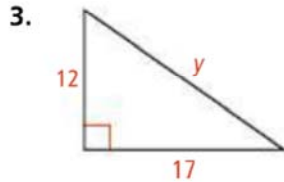
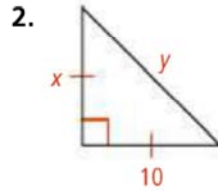
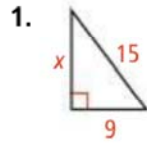
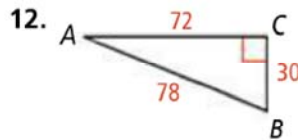
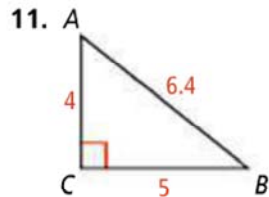


Homework: p.514 Mid-Chapter Quiz: 1-6 all, 10, 12 all, 16-20 all
Algebra Find the value of each variable. Express your answer in simplest radical form.



10. A square has a 40-cm diagonal. How long is each side of the square? Round to the nearest tenth of a centimeter.

Write the sine, cosine, and tangent ratios for $\angle A$ and $\angle B$.



16. **Landscaping** A landscaper uses a 13-ft wire to brace a tree. The wire is attached to a protective collar around the trunk of the tree. If the wire makes a 60° angle with the ground, how far up the tree is the protective collar located? Round to the nearest tenth of a foot.

Algebra Find the value of x . Round to the nearest tenth.

