Write each trigonometric ratio as a fraction and as a decimal rounded to the nearest hundredth.

3. $\sin C$ **4.** $\tan A$ **5.** $\cos A$

6. $\cos C$ **7.** $\tan C$ **8.** $\sin A$
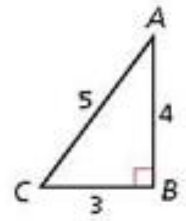
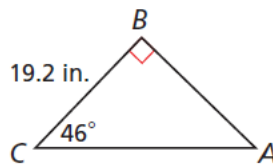**Use a special right triangle to write each trigonometric ratio as a fraction.**

9. $\cos 60°$ **10.** $\tan 30°$ **11.** $\sin 45°$

Find each length. Round to the nearest hundredth.
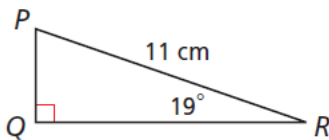
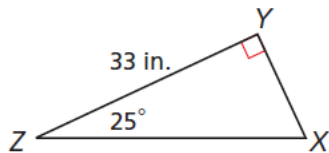**37.** PQ **38.** AC **39.** GH
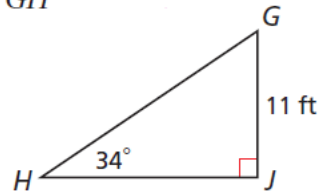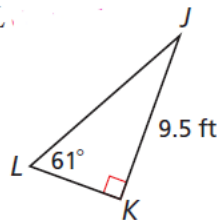
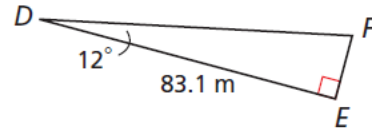**40.** XZ **41.** KL **42.** EF

66. Critical Thinking Draw $\triangle ABC$ with $\angle C$ a right angle. Write $\sin A$ and $\cos B$ in terms of the side lengths of the triangle. What do you notice? How are $\angle A$ and $\angle B$ related? Make a conjecture based on your observations.