8-3 Solve It!



8-3 Lesson Quiz

- **1.** What are the sine, cosine, and tangent ratios for $\angle B$?
- **2.** What is the value of *x*? Round to the nearest tenth.
- **3.** What is $m \angle X$ to the nearest degree?







4. Do you UNDERSTAND? Can a sine be greater than 1? Explain.

Answers

Solve It! $\frac{\sqrt{5}}{5}, \frac{\sqrt{5}}{5}, \frac{\sqrt{5}}{5}$; the ratio does not change for similar \triangle .

Lesson Quiz 1. $\sin B = \frac{5}{13}$, $\cos B = \frac{12}{13}$, $\tan B = \frac{5}{12}$ **2.** 16.9

3. 44

4. No; a leg of a right triangle cannot be longer than the hypotenuse.

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