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## Practice A

For use with pages 567-572

Match the trigonometric expression with the correct ratio. Some ratios may be used more than once, and some may not be used at all.

1. $\sin A=$
$\begin{array}{ll}\text { A. } \frac{5}{13} & \text { B. } \frac{12}{13}\end{array}$
2. $\cos A=$
3. $\tan A=$
C. $\frac{5}{12}$
D. $\frac{12}{5}$
4. $\sin B=$
5. $\cos B=$
E. $\frac{13}{12}$
F. $\frac{13}{5}$

6. $\tan B=$

Use the diagram to find the indicated measurement. Round your answer to the nearest tenth.
7. $C R$
8. $m \angle T$
9. $m \angle C$


In Exercises 10-17, $\angle A$ is an acute angle. Use a calculator to approximate the measure of $\angle A$. Round to one decimal place.
10. $\sin A=0.42$
11. $\tan A=2.50$
12. $\cos A=0.98$
13. $\sin A=0.02$
14. $\cos A=0.68$
15. $\tan A=0.65$
16. $\sin A=0.49$
17. $\tan A=1.50$

## Solve the right triangle. Round decimals to the nearest tenth.

18. 


19.

20.

21.

22.

23.

24. Ladder You lean a 16 foot ladder against the wall. If the base is 4 feet from the wall, what angle does the ladder make with the ground?

