

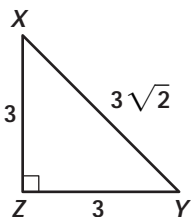
Practice 11-1

Example Exercises

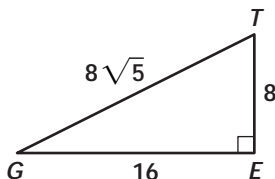
Example 1

Write tangent ratios for each pair of angles.

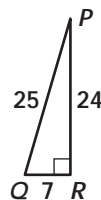
1. $\angle X$ and $\angle Y$



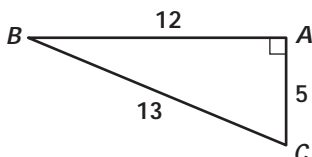
2. $\angle G$ and $\angle T$



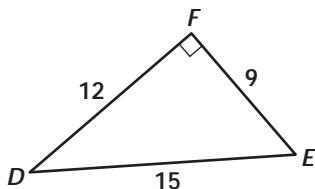
3. $\angle P$ and $\angle Q$



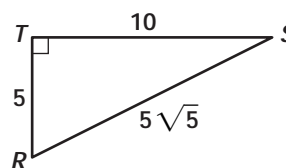
4. $\angle B$ and $\angle C$



5. $\angle D$ and $\angle E$

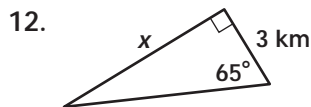
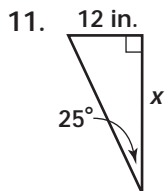
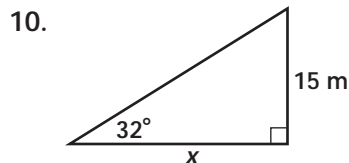
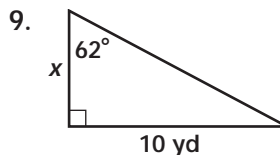
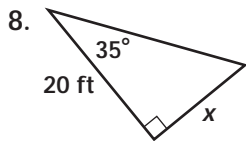
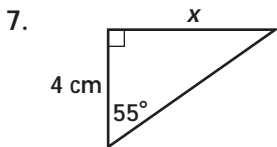


6. $\angle R$ and $\angle S$



Example 2

Find the value of x . Round your answer to the nearest tenth.



Example 3

Find the measure of the acute angle that each line makes with a horizontal line. Round your answer to the nearest tenth.

13. $y = 2x - 1$

14. $y = \frac{3}{4}x + 2$

15. $y = 3x + 4$

16. $y = \frac{1}{2}x + 5$

17. $y = 4x - 3$

18. $y = \frac{2}{3}x + 6$