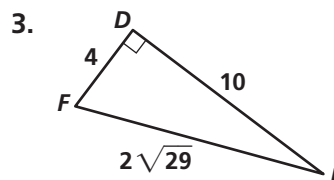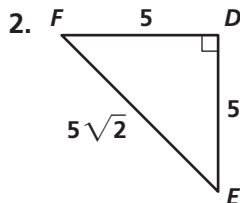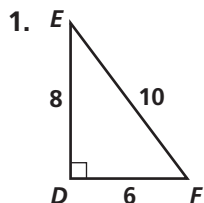# Practice 8-3

The Tangent Ratio

Write the tangent ratios for $\angle E$ and $\angle F$.
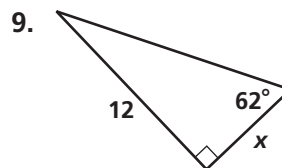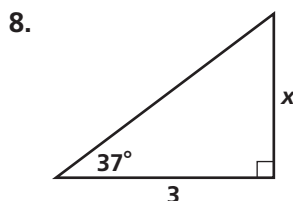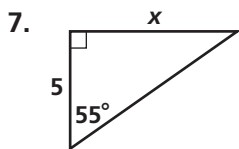
1.

2.

3.

Find each missing value. Round your answers to the nearest tenth.

4. $\tan 46° = \dfrac{?}{12}$

5. $\tan \underline{\ ?\ } = \dfrac{3}{5}$

6. $\tan 12° = \dfrac{3}{?}$

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

7.

8.

9.

To the nearest tenth, find the measure of the acute angle that the given line forms with a horizontal line.

10. $y = 5x + 3$

11. $y = \dfrac{1}{2}x + 4$

12. $y = 3x - 6$

Find the value of x. Round your answers to the nearest degree.

13.

14.

15.

16.

17.

18.