Practice 11-3

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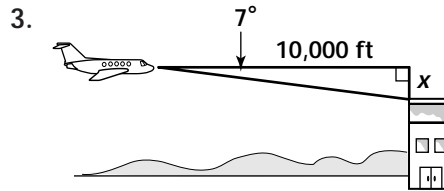
Example Exercises

Example 1

1. **Describe each angle as it relates to the diagram.**

   a. $\angle 1$ **b.** $\angle 2$ **c.** $\angle 3$ **d.** $\angle 4$

Building A   Building B
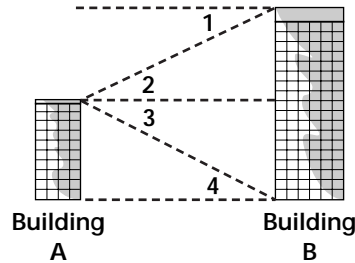
Example 2

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

2.

53°
x
50 ft

3.

7°
10,000 ft
x
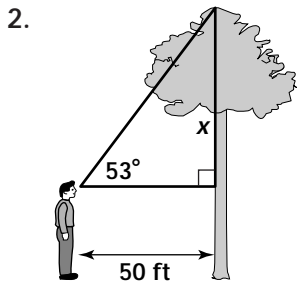
Example 3

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

4.

x
50°
100 ft

5.

40°
x
50 ft
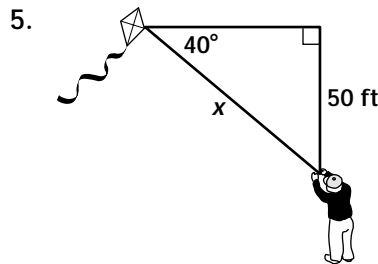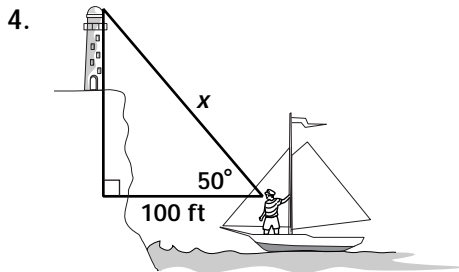
6. A blimp is flying 500 ft above the ground. A person on the ground sees the blimp by looking at a 25° angle. The person's eye level is 5 ft above the ground.

   a. Draw a diagram.

   b. Find the distance from the blimp to the person. Round your answer to the nearest foot.