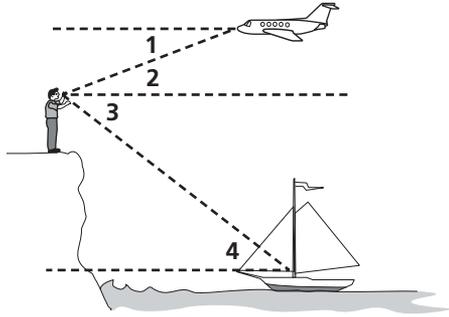


Practice 8-5

Angles of Elevation and Depression

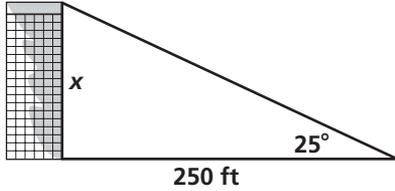
1. Describe each angle as it relates to the diagram.



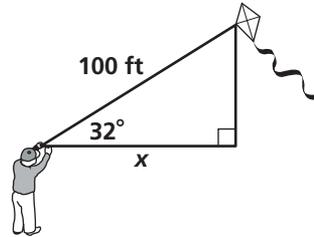
- a. $\angle 1$ _____
- b. $\angle 2$ _____
- c. $\angle 3$ _____
- d. $\angle 4$ _____

Find the value of x . Round the lengths to the nearest tenth.

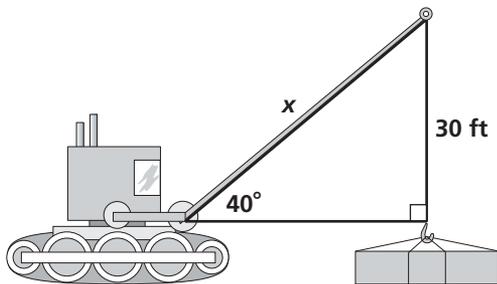
2. _____



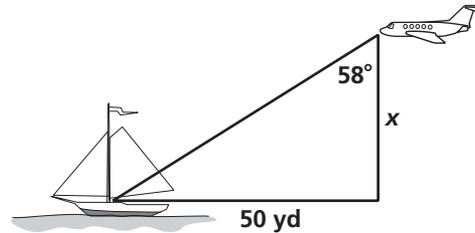
3. _____



4. _____



5. _____



6. A person standing 30 ft from a flagpole can see the top of the pole at a 35° angle of elevation.

- a. Draw a diagram.
- b. The person's eye level is 5 ft from the ground. Find the height of the flagpole to the nearest foot.



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