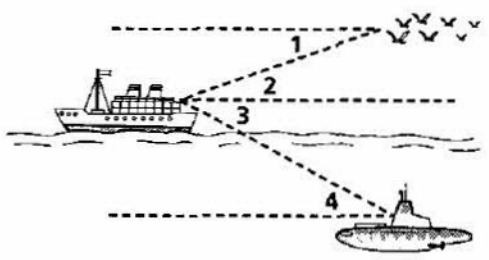


# Practice 9-3

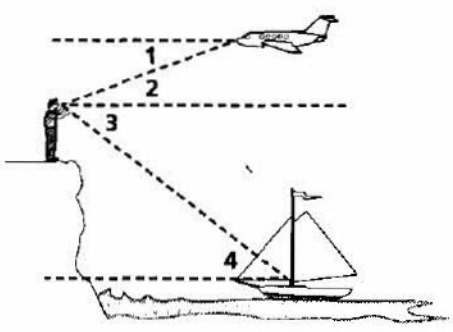
## Angles of Elevation and Depression

Describe each angle as it relates to the diagram.

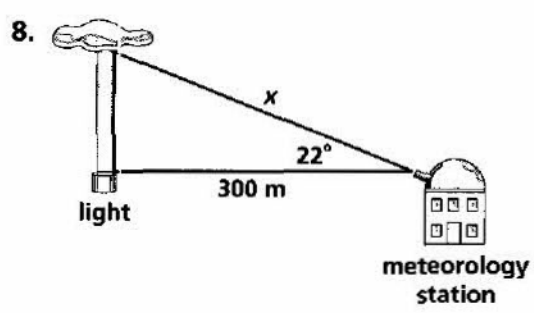
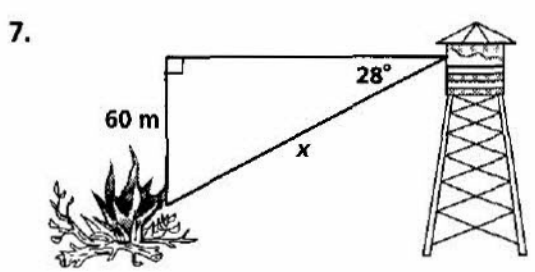
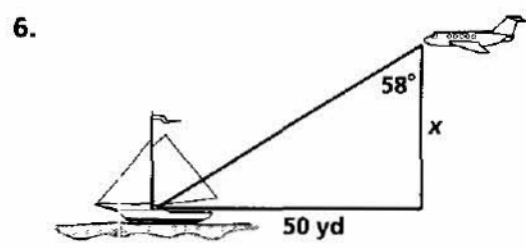
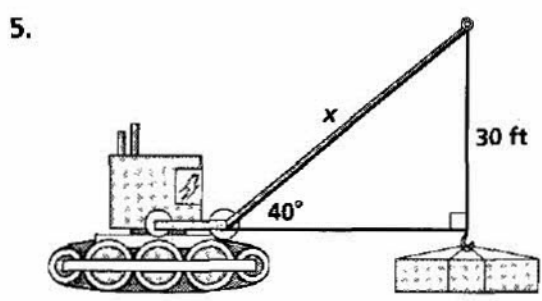
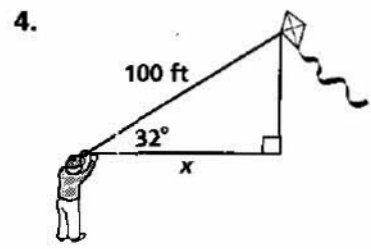
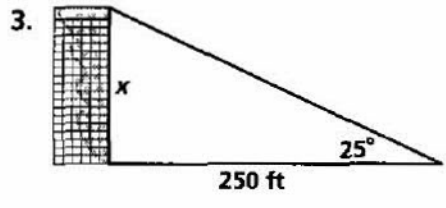
1. a.  $\angle 1$
- b.  $\angle 2$
- c.  $\angle 3$
- d.  $\angle 4$



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



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



9. A person standing 30 ft from a flagpole can see the top of the pole at a  $35^\circ$  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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