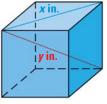


**a.** Find the value of *x*.

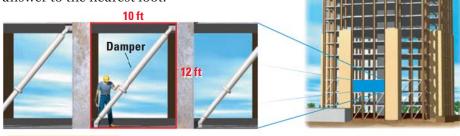
**b.** Find the value of *y*.



## **PROBLEM SOLVING**

## EXAMPLES 3 and 5 on pp. 738–739 for Exs. 33–35

**33. ARCHITECTURE** An earthquake-resistant building has dampers built into its structure to help minimize damage caused by an earthquake. A section of the structural frame of such a building is shown. What is the length of the damper? Round your answer to the nearest foot.



- **34. SAILS** A sail has the shape of a triangle. The side lengths are 146 inches,
  - 131 inches, and 84 inches. Is the sail a right triangle? *Explain*.

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