Name _____   **Date** _____

Practice B
For use with pages 364–370

Copy and complete the statement.

1. If $\frac{x}{4} = \frac{7}{y}$, then $\frac{x+4}{4} = $ ——.

2. If $\frac{9}{2} = \frac{x}{y}$, then $\frac{11}{2} = $ ——.

Decide whether the statement is *true* or *false*.

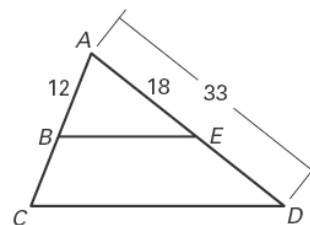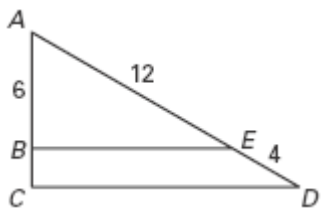3. If $\frac{x}{y} = \frac{8}{3}$, then $\frac{3}{x} = \frac{y}{8}$.

4. If $\frac{x}{y} = \frac{8}{3}$, then $\frac{x+8}{8} = \frac{y+3}{3}$.

5. If $\frac{x}{y} = \frac{8}{3}$, then $\frac{x+2y}{y} = \frac{14}{3}$.
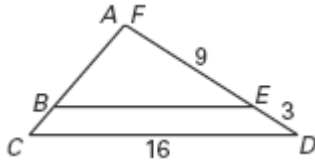
Use the diagram and the given information to find the unknown length.

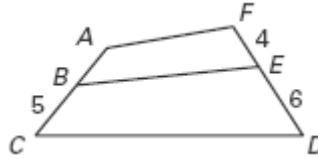6. Given $\frac{AB}{BC} = \frac{AE}{ED}$ find BC.

7. Given $\frac{AB}{BC} = \frac{AE}{ED}$ find BC.
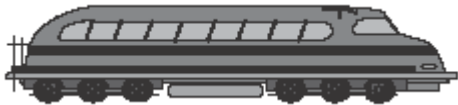
8. Given $\dfrac{FD}{FE} = \dfrac{CD}{BE}$ find BE.

9. Given $\dfrac{AB}{BC} = \dfrac{FE}{ED}$ find AC.

In Exercises 10 and 11, use the following information.

Scale Model You purchase a scale model of a train. The model states that the scale is 1 inch: 5.4 feet.

10. If the model is 10 inches long, how long is the actual train?

11. The actual height of the train is 13.5 feet, how tall is the model?

In Exercises 12 and 13, use the following information.

Canadian Dollars In November, 2005, the exchange rate of Canadian dollars to U.S. dollars was 1 to 0.85. A Canadian citizen paid $12.28 in U.S. dollars for lunch while visiting New York City.

12. What was the price of the lunch in Canadian dollars?

13. If the exchange rate were 1.28 Canadian dollars to 1 U.S. dollar, what would have the cost been in Canadian dollars?