

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the problem.

- 1) A rectangular Persian carpet has a perimeter of 240 inches. The length of the carpet is 24 in. more than the width. What are the dimensions of the carpet? 1) _____
- A) Width: 48 in.; length: 72 in. B) Width: 108 in.; length: 132 in.
C) Width: 96 in.; length: 120 in. D) Width: 72 in.; length: 96 in.

- 2) Walt made an extra \$ 7000 last year from a part-time job. He invested part of the money at 8% and the rest at 9%. He made a total of \$600 in interest. How much was invested at 9%? 2) _____
- A) \$ 4000 B) \$ 3000 C) \$ 3500 D) \$ 5000

- 3) A rug is to fit in a room so that a border of even width is left on all four sides. If the room is 12 feet by 15 feet and the area of the rug is 108 square feet, how wide will the border be? 3) _____
- A) 1.5 ft B) 3 ft C) 2.2 ft D) 1 ft

- 4) A ladder is resting against a wall. The top of the ladder touches the wall at a height of 9 ft. Find the length of the ladder if the length is 3 ft more than its distance from the wall. 4) _____
- A) 9 ft B) 18 ft C) 15 ft D) 12 f

