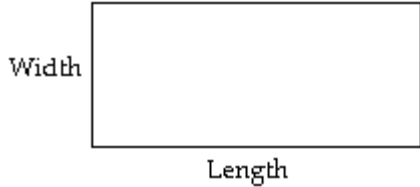Name_____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.
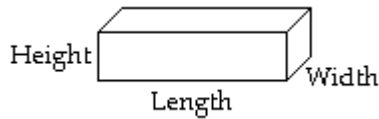
Translate to a formula, then use the formula to solve the problem. Round the answer to the nearest whole number if necessary.

1) The perimeter of a rectangle is equal to twice the sum of its length and width. Find the perimeter with a length 40 ft. and a width 9 ft.
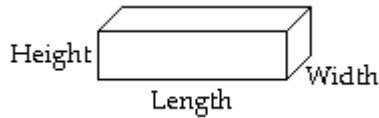
1) _____

Width

Length

   A) 89 ft   B) 49 ft   C) 98 ft   D) 196 ft

2) The surface area of a box is equal to twice the sum of its length times its width, its length times its height, and its width times its height. Find the surface area of a box with a length of 3 ft., a width of 2 ft., and a height of 4 ft.

2) _____

Height

Length Width

   A) 26 ft^2 B) 40 ft^2 C) 52 ft^2 D) 44 ft^2

3) The surface area of a box is equal to twice the sum of its length times its width, its length times its height, and its width times its height. Find the surface area of a box with a length of 20.5 cm, a width of 6.3 cm, and a height of 6.7 cm.

3) _____

Height

Length Width

   A) 617 cm^2 B) 601 cm^2 C) 575 cm^2 D) 309 cm^2

4) The simple interest earned after investing an amount of money, called principal, is equal to the product of the principal, the interest rate, and the time in years that the money remains invested. Use the formula to calculate the interest for the following investment.

4) _____

Principal: $2000
Rate: 0.03
Time: 2 years

   A) $60   B) $2,120   C) $120   D) $2,060

1) C
2) C
3) A
4) C