

6-7 TEST

Show your work on a separate sheet of paper.

For problems 1 – 3, Valcor is trying to save for a tablet that costs \$500. He decides to save \$55 every 2 weeks.

1. How much will he save after 8 weeks?

A. \$110 B. \$220 C. \$440 D. \$27.50

2. Choose the equation that describes Valcor's saving plan. Let w represent the number of weeks. Let T represent the total amount saved.

A. $T = \frac{w}{55}$ B. $T = 55w$ C. $T = 27.5w$ D. $T = \frac{w}{220}$

3. Based on problems 1 and 2, which variable is the independent variable (input)?

A. Cost of the tablet B. Total amount of money saved
C. Number of weeks D. Amount of money saved per week

4. Hailey is training for a half marathon. The graph represents her run today. Circle all statements that are true about her run.

a. She ran at a constant rate of 4 miles per hour.
b. She ran 8 miles in one hour.
c. The equation that describes her run is $d = 8t$.
d. The equation that describes her run is $t = 8d$.
e. At this rate, she will run 15 miles in less than 2 hours.

