

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.

