

Name _____ Date _____

Types of Graphs

Write an equation to match each scenario and determine whether the graph will be discrete or continuous.

1 The chess club has 5 members returning from last year. They set up a booth in the gym to recruit more members, and an average of 2 new members sign up each day. What is the total number of members after x days?

Equation:

The graph will be

_____ because

2 Thomas bought a vase for \$10 and x flowers that were \$2 each. What is the total cost if x flowers were purchased?

Equation:

The graph will be

_____ because

3 A bottle contained 1000 mL of liquid and is being poured out at an average rate of 100 mL per second. How much liquid is left in the bottle after x seconds?

Equation:

The graph will be

_____ because

4

5

6

Sarah ate an egg with 97 calories and a servings of cereal with 210 calories per serving for breakfast. What is the total amount of calories she consumed?

Equation:

The graph will be

7

_____ because

James needs to cut 5 pieces of wood, each with the same length, and a piece of wood 9.5 feet long. What is the total length of the wood that James cuts?

Equation:

The graph will be

_____ because

8

Marcy spent 45 minutes on her science homework and then solved x math problems that took 4 minutes each to complete. How long did she spend doing homework?

Equation:

The graph will be

_____ because

9

Deanne buys x apples that weigh 4oz each. What is the total weight of the apples in his bag?

Equation:

The graph will be

Terry is training for a marathon. He jogged 5 miles per hour on the treadmill for x hours. What distance did he jog?

Equation:

The graph will be

10

Anella bought x raffle tickets for a school fundraiser. The tickets cost \$2.50 each. How much did she spend?

Equation:

The graph will be

11