

NAME \_\_\_\_\_

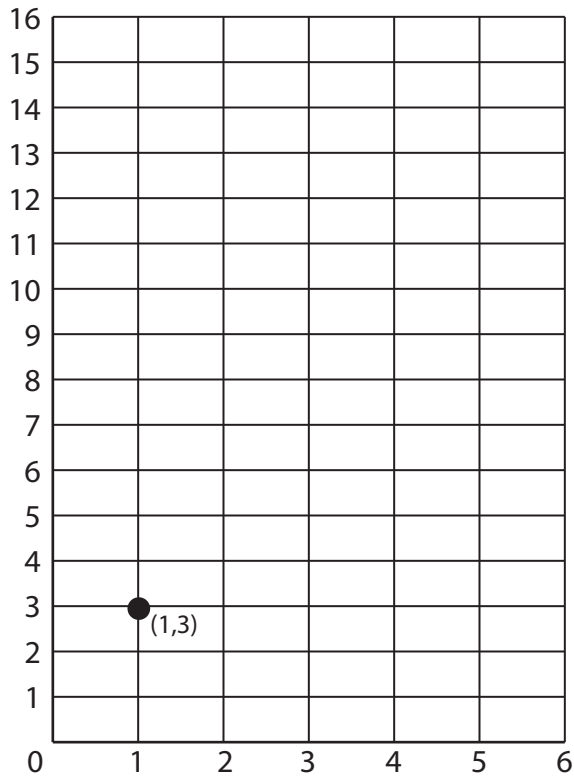
DATE \_\_\_\_\_



# Plotting Points on a Graph page 1 of 2

**1** Plot and label these points on the coordinate plane below. The first one has been done as an example.

- (1, 3)                      (2, 6)                      (3, 9)                      (4, 12)                      (5, 15)

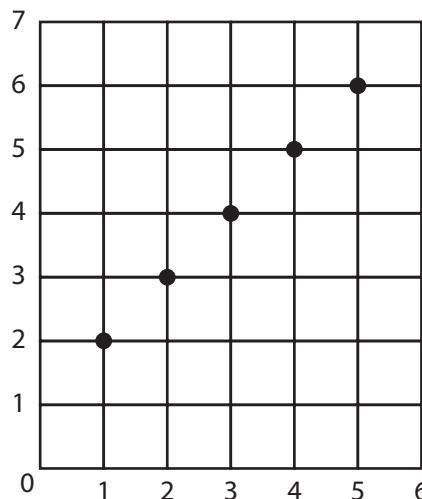


**2** Amanda plotted 5 points on the coordinate plane to the right. What ordered pairs did Amanda plot?

Amanda's ordered pairs: ( 1 , 2 ) ( \_\_\_\_\_ , \_\_\_\_\_ )

( \_\_\_\_\_ , \_\_\_\_\_ ) ( \_\_\_\_\_ , \_\_\_\_\_ ) ( \_\_\_\_\_ , \_\_\_\_\_ )

**3** What is the next ordered pair if Amanda's pattern continues? ( \_\_\_\_\_ , \_\_\_\_\_ )



*(continued on next page)*

**Plotting Points on a Graph** page 2 of 2

- 4** Zoe planted a walnut tree. Every week, she measures the tree and records its growth. On the first week, the tree was  $27\frac{1}{2}$  inches tall. On the second week, it was  $29\frac{1}{4}$  inches tall. On the third week, it was  $31\frac{1}{3}$  inches tall. How much did the tree grow from the first week until it was measured on the third week? Show your work.
- 5** **CHALLENGE** There are 8 people on a committee. Each time they meet, they shake hands with each other so that each person shakes everyone else's hand once.
- a** Each time they meet, how many handshakes are there? Use numbers, labeled sketches, or words to model and solve this problem. Show all your work.
- b** Imagine that 3 committee members arrive late. The other 5 members have already shaken hands. How many handshakes will there be when the 3 late members arrive? Use numbers, labeled sketches, or words to model and solve this problem. Show all of your work.