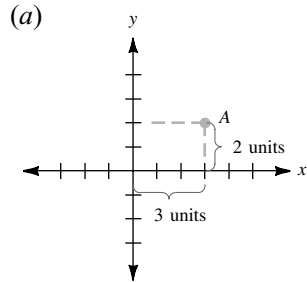


# 3.1

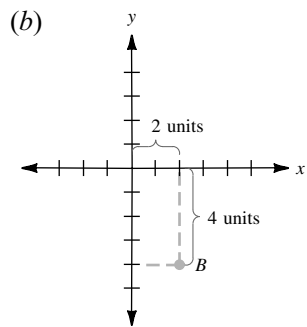
## Reading a Point in the Coordinate Plane

### • Example 1

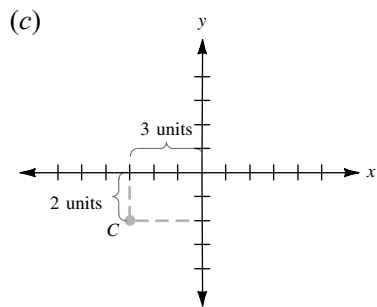
Give the coordinates for the given points.



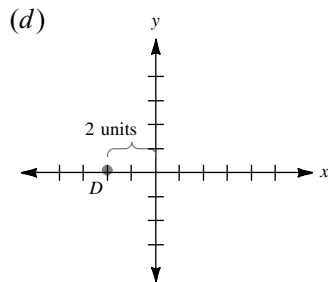
Point *A* is 3 units to the *right* of the origin and 2 units *above* the *x*-axis. Point *A* has coordinates  $(3, 2)$ .



Point *B* is 2 units to the *right* of the origin and 4 units *below* the *x*-axis. Point *B* has coordinates  $(2, -4)$ .



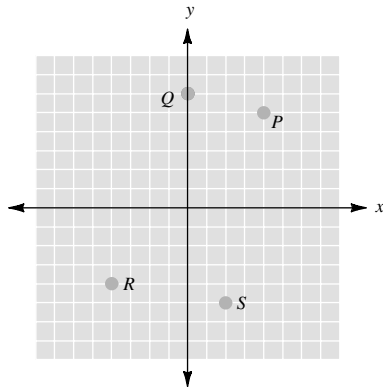
Point *C* is 3 units to the *left* of the origin and 2 units *below* the *x*-axis. *C* has coordinates  $(-3, -2)$ .



Point *D* is 2 units to the *left* of the origin and *on* the *x*-axis. Point *D* has coordinates  $(-2, 0)$ .

● ● ● CHECK YOURSELF 1

Give the coordinates of points  $P$ ,  $Q$ ,  $R$ , and  $S$ .



- $P$  \_\_\_\_\_
- $Q$  \_\_\_\_\_
- $R$  \_\_\_\_\_
- $S$  \_\_\_\_\_



● ● ● CHECK YOURSELF ANSWER

1.  $P(4, 5)$ ,  $Q(0, 6)$ ,  $R(-4, -4)$ , and  $S(2, -5)$ .



# 3.1 Exercises

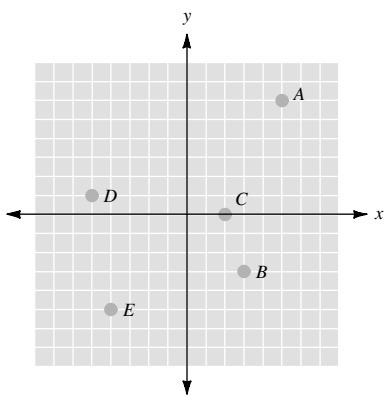
Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

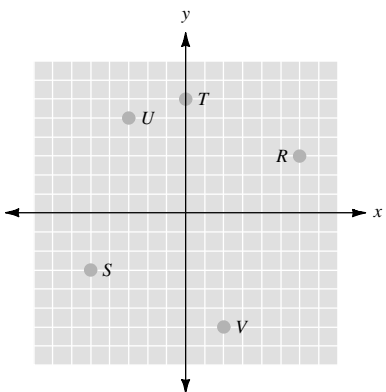
## A N S W E R S

Give the coordinates of the points graphed below.



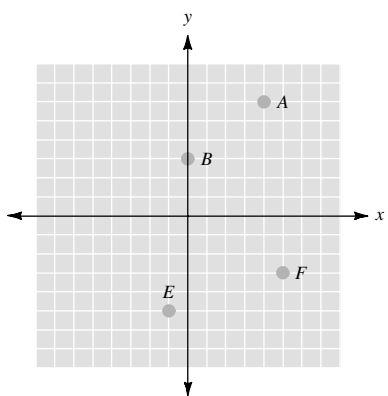
- 1. *A*
- 2. *B*
- 3. *C*
- 4. *D*
- 5. *E*

Give the coordinates of the points graphed below.



- 6. *R*
- 7. *S*
- 8. *T*
- 9. *U*
- 10. *V*

Give the coordinates of the points graphed below



- 11. *A*
- 12. *B*
- 13. *E*
- 14. *F*

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_