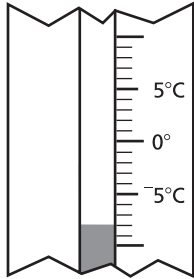


Write the correct answer.

For 1–4, use the thermometer.



- 1 What temperature is shown on the thermometer?

 -8°C

- 2 If the temperature drops 4°, what will the thermometer show?

 -12°C

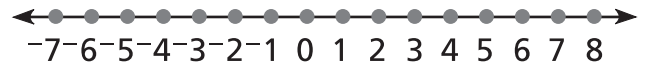
- 3 If the temperature rises 7°, what will the thermometer show?

 -1°C

- 4 How many degrees will the temperature have to rise in order to be 2°C?

 10°C

For 5–8, use the number line.



- 5 Start at -4. Jump forward 6 spaces. Then jump backward 8 spaces. Where are you?

 -6

- 6 Start at 6. Jump backward 5 spaces. Then jump backward 4 spaces. Where are you?

 -3

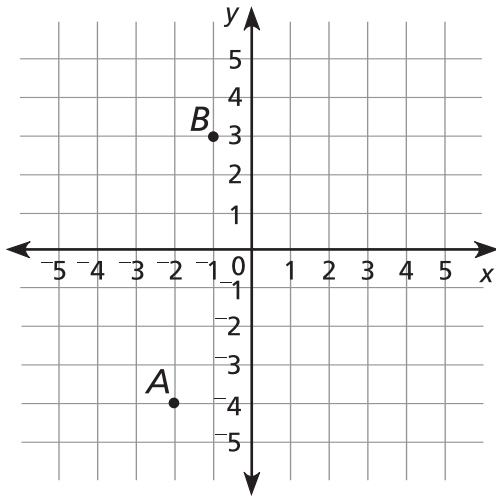
- 7 Start at 0. Jump forward 4 spaces. Then jump backward 9 spaces. Where are you?

 -5

- 8 Start at -2. Jump backward 4 spaces. Then jump forward 9 spaces. Where are you?

 3

For 9–14, use the grid.



- 9 What is the location of point **A**?

-2, -4

- 10 What is the location of point **B**?

-1, 3

- 11 If you mark these points and then connect them in order, what figure will you have drawn?

$(2,3), (4,-4), (-4,-4), (-2,3), (2,3)$

trapezoid

- 12 What is the fourth point you would use along with $(3,3)$, $(-5,3)$, and $(-5,-3)$ to draw a rectangle?

3, -3

- 13 What is the third point you would use along with $(-1,2)$ and $(3,-1)$ to draw a right triangle?

$(-1,-1)$ or $(3,2)$

- 14 Write a point that is on the same line as $(1,-2)$ and $(-3,-2)$.

Any point with a

y-coordinate of -2 is

acceptable; Possible

answer: $(4,-2)$.

- 15 The temperature at 9:00 A.M. was -1°C . At noon, it was 2° warmer. At 3 P.M., it was 3° warmer than at noon. At 6 P.M., it was 4° colder than at 3 P.M. At 9 P.M., it was 2° colder than at 6 P.M. What was the temperature at 9 P.M.?

-2°C