## 1-7 Solve It!



You can only move in horizontal and vertical units.


## 1-7 Lesson Quiz

1. $\overline{A B}$ has endpoints at -2 and 12 . What is the coordinate of its midpoint?

2. Do you UNDERSTAND? The midpoint of $\overline{C D}$ is $E(-1,0)$. One endpoint is $C(5,2)$. What are the coordinates of the other endpoint?

3. What is the distance between $P(-4,3)$ and $Q(6,1)$ ? Round to the nearest tenth.

## Answers

## Solve It!

7 units left, 0.5 unit down; explanations may vary. Sample: The horizontal distance between the two structures is 5 units, and the vertical distance is 3 units. The portal will form
at the point $\frac{5}{2}$, or 2.5 , units to the right and $\frac{3}{2}$, or 1.5 , units up from the leftmost structure. The point is 7 units to the left and 0.5 unit down from the character.

## Lesson Quiz

1. 5
2. $D(-7,-2)$
3. 10.2
