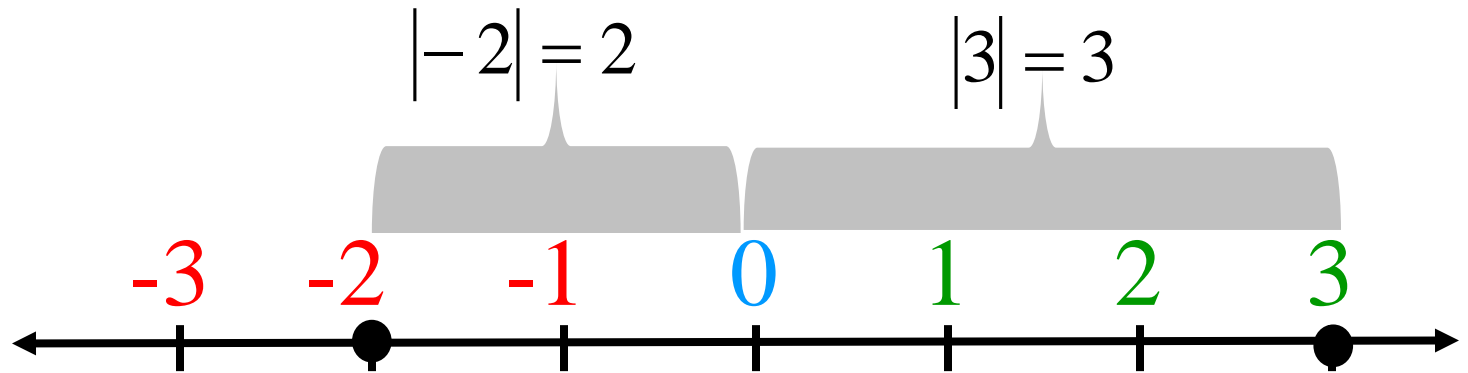


# Distance on the Coordinate Plane

***Objective: To correctly identify distance on the  
coordinate plane***



# Distance



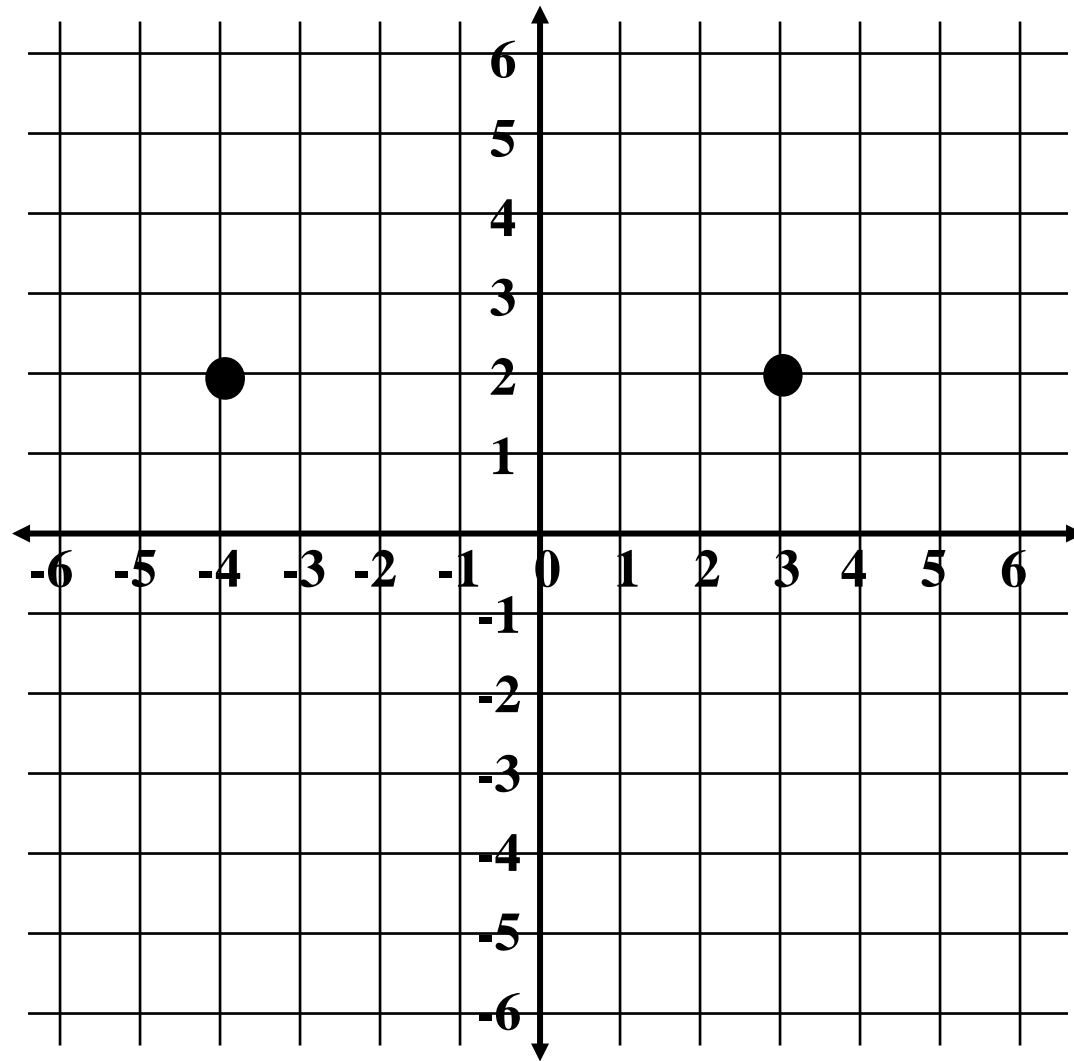
What is the distance between 3 and -2?

-2 is 2 units from 0

3 is 3 units from 0

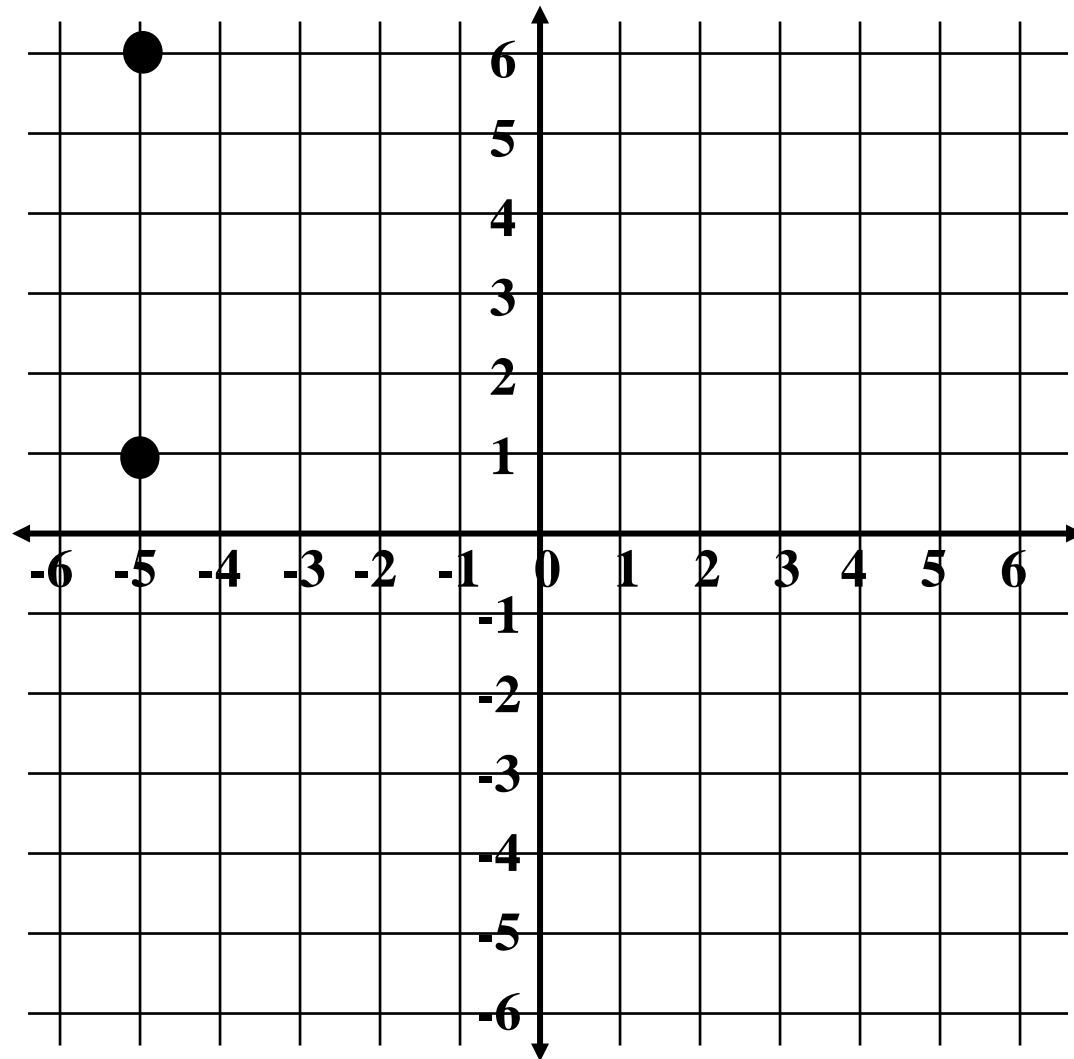
**5 units** from -2 to 3

# Distance



What is the distance from  $(-4, 2)$  to  $(3, 2)$ ?  
7 units

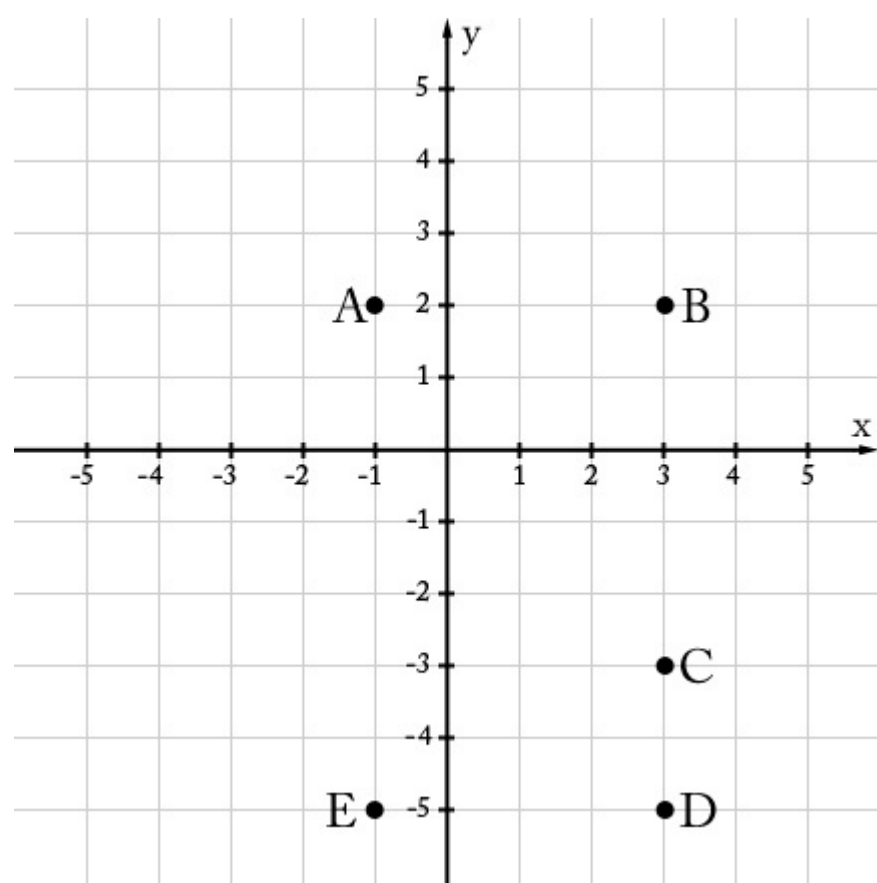
# Distance



What is the distance from  $(-5, 6)$  to  $(-5, 1)$ ?

5 units

# Distance



What is the distance from point A to point E?

7 units

What is the distance from point A to point B?

4 units

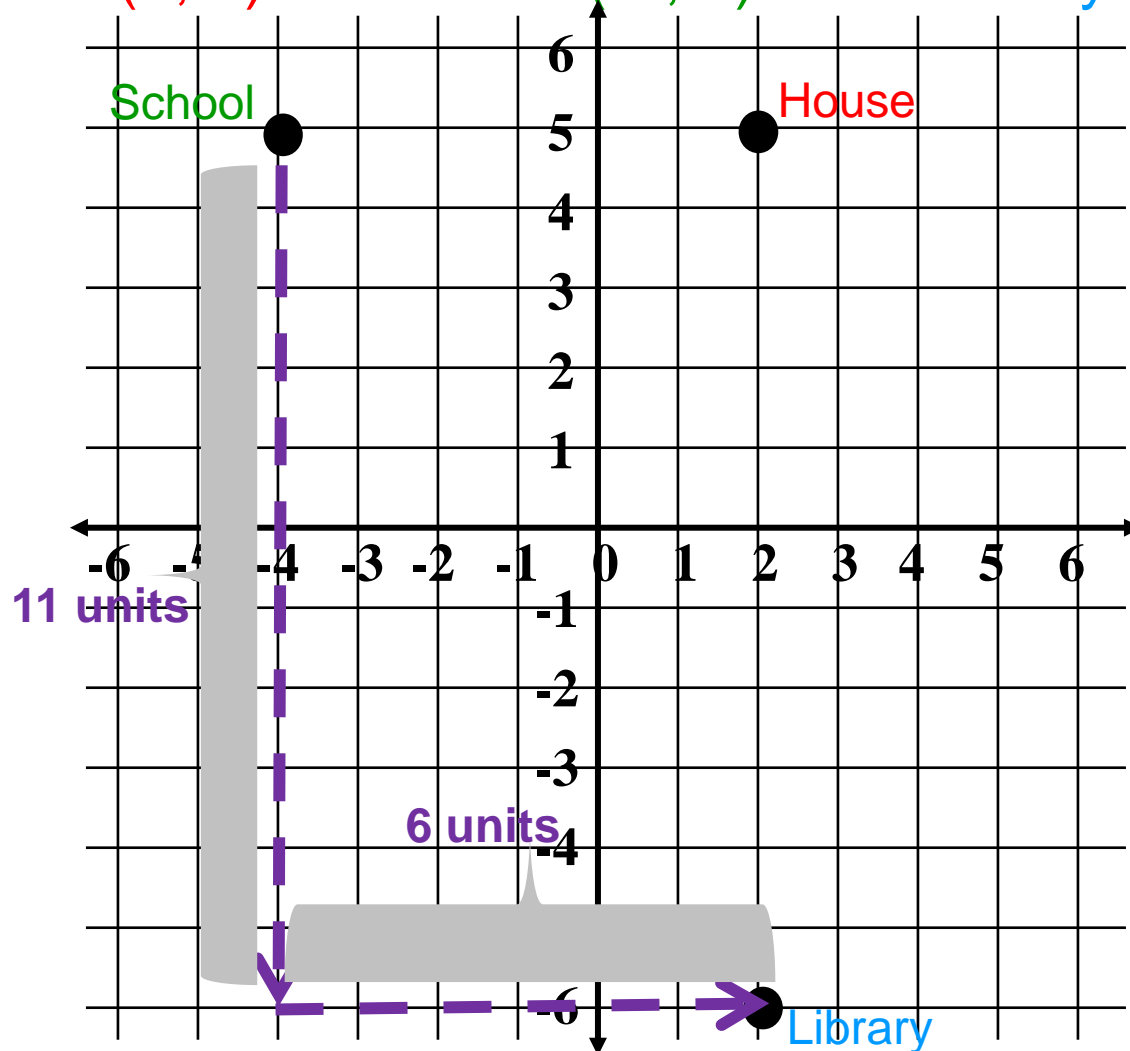
What is the distance from point D to point C?

2 units

House (2, 5)

School (-4, 5)

Library (2, -6)



How far do you walk from **school** to the **library** (you can only walk north/south and east/west)?

11 units (north/south) + 6 units (east/west) = **17 units**