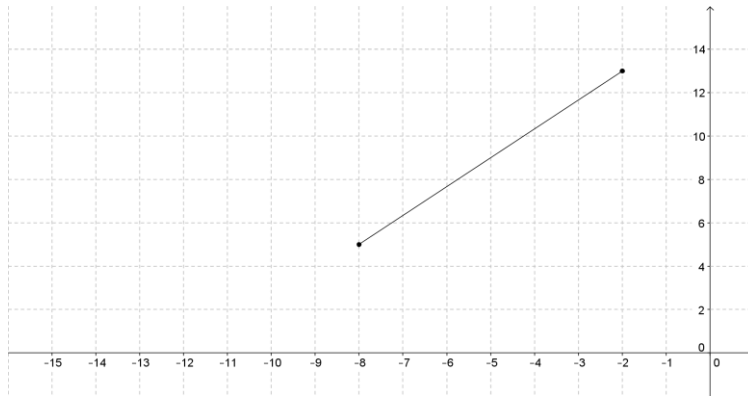


1. What is the length of the line segment shown below?



2. What is the length of a line segment with endpoints at $(-8, 7)$ and $(5, 1)$?

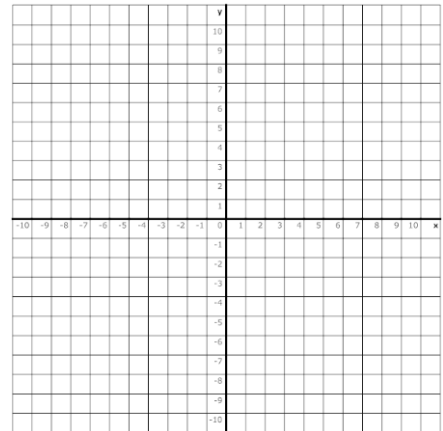
3. A line segment has a total rise of 4 units and a total run of 3 units. What is the distance between the endpoints of the line segment?

4. Find the midpoint between $(-8, 5)$ and $(2, 7)$.

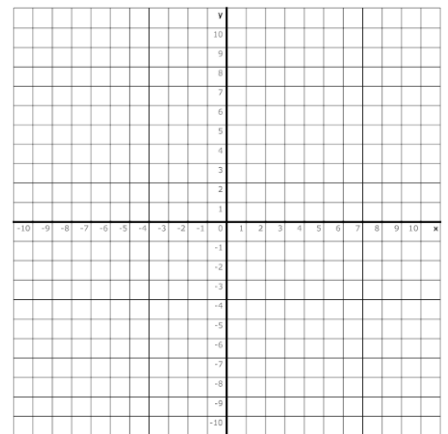
5. Find the midpoint between $(6, -1)$ and $(-3, -13)$.

8. Line segment \overline{EG} has a midpoint, F , at $(-3, 2)$. The endpoint E is represented by the ordered pair $(4, -8)$. What is the ordered pair that represents the endpoint G ?

9. On a coordinate grid, draw a **diagonal** line that is 10 units long. Label the endpoints.



10. Draw a line segment that has a midpoint at $(-3,8)$. Label the endpoints.



11. On a coordinate grid, create a diagonal line segment with a length equal to a positive integer.
 Note: Create a unique line segment, one that has not been included so far.

