



Name: _____

Date: _____

1. In the point $(9, 6)$, what is the x-coordinate?

2. In the point $(7, 8)$, what is the y-coordinate?

3. On which axis does the point $(2, 0)$ lie?

the x-axis

neither axis

both axes

the y-axis

4. Points $(3, 5)$ and $(2, 5)$ lie on the same horizontal line. How far apart are they? ____

5. Points $(9, 1)$ and $(9, 5)$ lie on the same vertical line. How far apart are they? ____

6. Which point is the origin?

$(0, 0)$

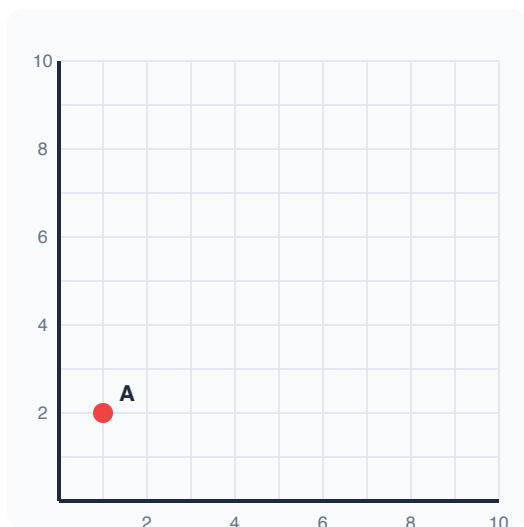
$(0, 1)$

$(1, 0)$

$(1, 1)$



7. What are the coordinates of point A?



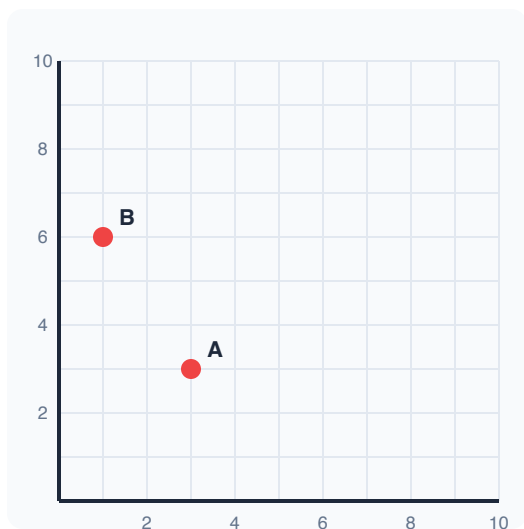
(1, 2)

(2, 1)

(2, 2)

(1, 3)

8. Which point is at (3, 3)?

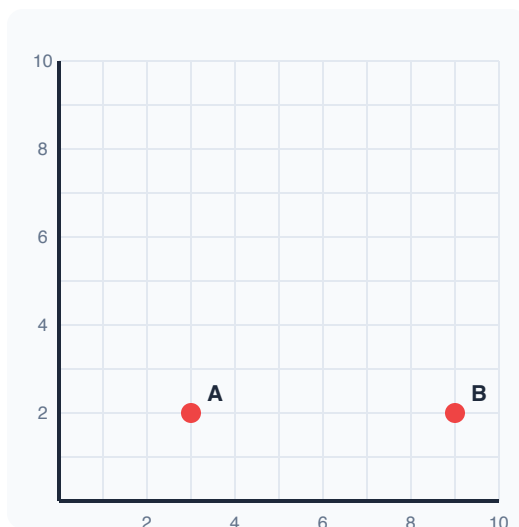


Point B

Point A



9. How many units apart are points A and B?



10. In the point (9, 10), what is the x-coordinate?

11. In the point (5, 6), what is the y-coordinate?

12. On which axis does the point (4, 0) lie?

neither axis

the y-axis

both axes

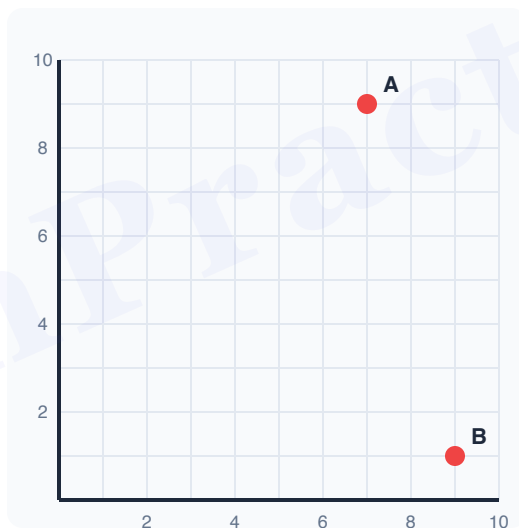
the x-axis



13. Points $(8, 0)$ and $(7, 0)$ lie on the same horizontal line. How far apart are they? ____

14. Points $(8, 6)$ and $(8, 3)$ lie on the same vertical line. How far apart are they? ____

15. Which point is at $(7, 9)$?



Point B

Point A

16. In the point $(0, 10)$, what is the x-coordinate?



17. In the point $(6, 4)$, what is the y-coordinate?

18. On which axis does the point $(0, 5)$ lie?

the x-axis

both axes

neither axis

the y-axis



Answer Key

1. **9** The x-coordinate is the first number: 9.
2. **8** The y-coordinate is the second number: 8.
3. **the x-axis** A point with $y = 0$ lies on the x-axis.
4. **1** Same y, so distance = $|2 - 3| = 1$.
5. **4** Same x, so distance = $|5 - 1| = 4$.
6. **(0, 0)** The origin is where the axes meet: (0, 0).
7. **(1, 2)** Point A is 1 right and 2 up: (1, 2).
8. **Point A** Point A is at (3, 3); Point B is at (1, 6).
9. **6** They share $y = 2$, so distance = $|9 - 3| = 6$.
10. **9** The x-coordinate is the first number: 9.
11. **6** The y-coordinate is the second number: 6.
12. **the x-axis** A point with $y = 0$ lies on the x-axis.
13. **1** Same y, so distance = $|7 - 8| = 1$.
14. **3** Same x, so distance = $|3 - 6| = 3$.
15. **Point A** Point A is at (7, 9); Point B is at (9, 1).
16. **0** The x-coordinate is the first number: 0.
17. **4** The y-coordinate is the second number: 4.
18. **the y-axis** A point with $x = 0$ lies on the y-axis.