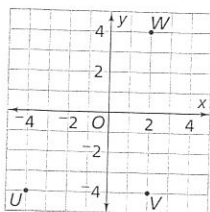


For Exercises 38–46 below, determine if the line segment joining the two points is *horizontal*, *vertical*, or *neither*. If the points are horizontal or vertical, find the length of the line segment joining the two points.

38. (2, 5), (9, 5) 39. (4, 0), (4, -12) 40. (-7.5, -6.25), (19.5, -6.25)
 41. $(\frac{1}{2}, \frac{1}{2}), (\frac{1}{3}, -\frac{1}{2})$ 42. (5, 9), (5, 2) 43. (0, 0), (0, -7)
 44. (9.25, 1.5), (-9.25, 1.5) 45. (-1.2, -1.2), (-1.2, 3.6) 46. (0, 0), (-7, 0)

47. Use the coordinate grid below.



- Find the length of a line segment joining points *U* and *V*.
- Find the length of a line segment joining points *W* and *V*.

For Exercises 48–51, do parts (a)–(d).

- Graph the given ordered pairs and connect them with a line segment.
- Find a point that can connect to make a right triangle.
- Find two points that can connect to make a square.
- Find two points that can connect to make a rectangle that is not also a square.

48. (3, 0), (6, 0)
 49. (-2, 1), (-2, 4)
 50. (-1, 0), (-5, 0)
 51. (0, -3), (4, -3)

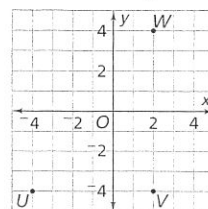
For Exercises 52–55, the two given points are connected to form the diagonal of a rectangle. Find the other two vertices of the rectangle.

52. (4, 5), (-4, -5)
 53. (3, 3), (-3, -3)
 54. (-1, 2), (1, -2)
 55. (-5, 5), (5, -5)

For Exercises 38–46 below, determine if the line segment joining the two points is *horizontal*, *vertical*, or *neither*. If the points are horizontal or vertical, find the length of the line segment joining the two points.

38. (2, 5), (9, 5) 39. (4, 0), (4, -12) 40. (-7.5, -6.25), (19.5, -6.25)
 41. $(\frac{1}{2}, \frac{1}{2}), (\frac{1}{3}, -\frac{1}{2})$ 42. (5, 9), (5, 2) 43. (0, 0), (0, -7)
 44. (9.25, 1.5), (-9.25, 1.5) 45. (-1.2, -1.2), (-1.2, 3.6) 46. (0, 0), (-7, 0)

47. Use the coordinate grid below.



- Find the length of a line segment joining points *U* and *V*.
- Find the length of a line segment joining points *W* and *V*.

For Exercises 48–51, do parts (a)–(d).

- Graph the given ordered pairs and connect them with a line segment.
- Find a point that can connect to make a right triangle.
- Find two points that can connect to make a square.
- Find two points that can connect to make a rectangle that is not also a square.

48. (3, 0), (6, 0)
 49. (-2, 1), (-2, 4)
 50. (-1, 0), (-5, 0)
 51. (0, -3), (4, -3)

For Exercises 52–55, the two given points are connected to form the diagonal of a rectangle. Find the other two vertices of the rectangle.

52. (4, 5), (-4, -5)
 53. (3, 3), (-3, -3)
 54. (-1, 2), (1, -2)
 55. (-5, 5), (5, -5)