

Die gezeigte Lösung ist die einzig richtige Variante – du kannst die Aufgabe nicht anders lösen.



Bestimme den Abstand der beiden Punkte.

$$\text{Abstand } \Delta x = x_B - x_A$$

$$\text{Abstand } \Delta y = y_B - y_A$$

a) A (1|6); B (5|6)

$$\Delta x = x_B - x_A = 5 - 1 = 4$$

$$\Delta y = y_B - y_A = 6 - 6 = 0$$

b) A (-4|3); B (3|3)

$$\Delta x = x_B - x_A = 3 - (-4) = 3 + 4 = 7$$

$$\Delta y = y_B - y_A = 3 - 3 = 0$$

c) A (-1|-3); B (-6|-3)

$$\Delta x = x_B - x_A = -6 - (-1) = -6 + 1 = -5$$

$$\Delta y = y_B - y_A = -3 - (-3) = -3 + 3 = 0$$

d) A (3|6); B (3|1)

$$\Delta x = x_B - x_A = 3 - 3 = 0$$

$$\Delta y = y_B - y_A = 1 - 6 = -5$$

e) A (-3|4); B (-3|-3)

$$\Delta x = x_B - x_A = -3 - (-3) = -3 + 3 = 0$$

$$\Delta y = y_B - y_A = -3 - 4 = -7$$

f) A (-4|-4); B (-4|-1)

$$\Delta x = x_B - x_A = -4 - (-4) = -4 + 4 = 0$$

$$\Delta y = y_B - y_A = -1 - (-4) = -1 + 4 = 3$$

g) A (1|6); B (4|3)

$$\Delta x = x_B - x_A = 4 - 1 = 3$$

$$\Delta y = y_B - y_A = 3 - 6 = -3$$

h) A (-4|-2); B (-3|-5)

$$\Delta x = x_B - x_A = -3 - (-4) = -3 + 4 = 1$$

$$\Delta y = y_B - y_A = -5 - (-2) = -5 + 2 = -3$$

i) A (2|-1); B (-5|5)

$$\Delta x = x_B - x_A = -5 - 2 = -7$$

$$\Delta y = y_B - y_A = 5 - (-1) = 5 + 1 = 6$$

j) A (-4|-4); B (3|3)

$$\Delta x = x_B - x_A = 3 - (-4) = 3 + 4 = 7$$

$$\Delta y = y_B - y_A = 3 - (-4) = 3 + 4 = 7$$

k) A (-2|4); B (4|-3)

$$\Delta x = x_B - x_A = 4 - (-2) = 4 + 2 = 6$$

$$\Delta y = y_B - y_A = -3 - 4 = -7$$

l) A (4|4); B (-4|-4)

$$\Delta x = x_B - x_A = -4 - 4 = -8$$

$$\Delta y = y_B - y_A = -4 - 4 = -8$$