

Calculating Δx and Δy

SAD 1

Instructions: Calculate Δx and Δy for each pair of coordinates below.

Equations: $\Delta x = x_2 - x_1$ $\Delta y = y_2 - y_1$

1 P1 (6, -2) P2 (-3, 5)

$$\begin{aligned}\Delta x &= x_2 - x_1 & \Delta y &= y_2 - y_1 \\ &= -3 - 6 & &= 5 - (-2) \\ \Delta x &= -9 & \Delta y &= 7\end{aligned}$$

2 P1 (-1, -3) P2 (-7, 0)

3 P1 (8, -2) P2 (0, 2)

4 P1 (1, -10) P2 (4, 4)

5 P1 (0, 2) P2 (-1, 10)

6 P1 (6, -4) P2 (7, 3)

7 P1 (7, 7) P2 (5, 3)

8 P1 (-8, -5) P2 (-1, -2)