

Quadrilateral

3. Calculate each side length of ~~Rectangle~~ ABCD and find the perimeter.

$$A(-6,3), B(-2,10), C(1,8), D(-3,2)$$

$$AB = \sqrt{(-6 - -2)^2 + (3 - 10)^2}$$

$$BC = \sqrt{(-2 - 1)^2 + (10 - 8)^2}$$

$$CD = \sqrt{(1 - -3)^2 + (8 - 2)^2}$$

$$DA = \sqrt{(-3 - -6)^2 + (2 - 3)^2}$$

Side Lengths: AB $\sqrt{65} = 8.1$

BC $\sqrt{13} = 3.6$

CD $2\sqrt{13} = 7.2$

DA $\sqrt{10} = 3.2$

Perimeter 22.0 units