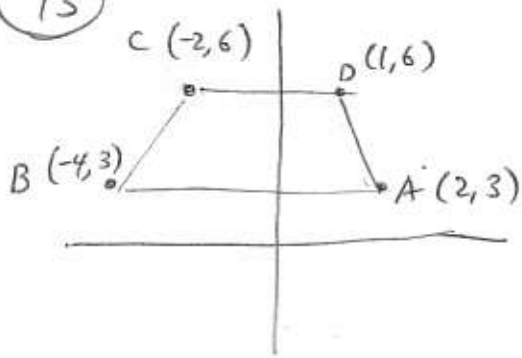


13



Trapezoid since two sides are parallel

Perimeter = add all outer edges

$$\begin{array}{ccc} C & D & \\ \bullet & \bullet & \\ \hline (-2, 6) & (1, 6) & \end{array} \quad \begin{array}{l} \text{length} = 1 - (-2) \\ = 1 + 2 = 3 \end{array}$$

$$\begin{array}{ccc} & & \text{length} = \cancel{\#} \\ \bullet & \bullet & \\ \hline B(-4, 3) & A(2, 3) & \end{array} \quad \begin{array}{l} 2 - (-4) \\ = 2 + 4 \\ = 6 \end{array}$$

$$\begin{array}{l} \text{length} = \sqrt{1^2 + 3^2} \\ = \sqrt{10} \end{array}$$

$$\begin{array}{l} \text{length} = \sqrt{2^2 + 3^2} = \sqrt{13} \end{array}$$

Perimeter = add all lengths on outer edge

$$= 3 + 6 + \sqrt{10} + \sqrt{13}$$

$$\text{Perimeter} = 9 + \sqrt{10} + \sqrt{13}$$