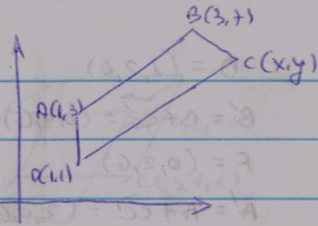


3.6  
5



$$AB: y = 2x + 1 \quad m = 2 \text{ (slope)}$$

$$CD: y = 2x + 1 \quad \leftarrow m = 2 \text{ (parallel to AB)}$$

$$|AD| = |BC| \quad \text{point } C(t, 2t-1)$$

$$d = \sqrt{(7-2t+1)^2 + (3-t)^2} \rightarrow \begin{matrix} t = 4.6 \\ t = 3 \end{matrix}$$

point C is (4.6, 8.2) or (3, 5)  $y = 2x + 1$   $m = 2$   $B(3, 7)$   $\sqrt{7^2 + 1^2} = \sqrt{50}$

$$S = \frac{(AB+CD)h}{2} =$$

$$\sqrt{AB} = \sqrt{2^2 + 4^2} = \sqrt{20}$$

$$|CD| = \sqrt{3 \cdot 6^2 + 7 \cdot 2^2} = \frac{18}{5}\sqrt{5}$$

$$h = \frac{1-2+3+1}{\sqrt{5}} = \frac{2}{\sqrt{5}}$$

$$S = \frac{(\sqrt{20} + \frac{18}{5}\sqrt{5}) \frac{2}{\sqrt{5}}}{2} = \frac{28}{5}$$