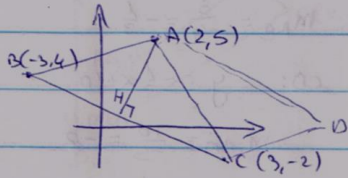


3.15  
5



$$y_{BC} = -x + 1 \quad (1)$$

$$m_{AH} = 1$$

$$y_{AH} = x + 3 \quad (2)$$

$$m_{BC} = -1$$

$$m_{AB} = \frac{1}{5}$$

$$y_{AD} = -x + 1$$

$$y_{DC} = \frac{1}{5}x + 2\frac{3}{5}$$

$$\left. \begin{array}{l} y_{AD} = -x + 1 \\ y_{DC} = \frac{1}{5}x + 2\frac{3}{5} \end{array} \right\} D: -x + 1 = \frac{1}{5}x - 2\frac{3}{5}$$

$$\boxed{x=8}$$

$$D(8, -1)$$