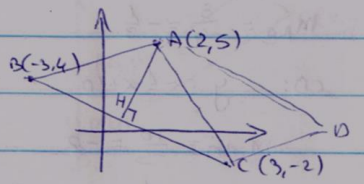
3.15
5



$y_{AC} = -x+1$

$m_{AH} = 1$

$y_{AH} = x+3$

$m_{AC} = -1$

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

$y_{AD} = -x+7$

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

D:

$-x+7 = \frac{1}{5}x - 2\frac{3}{5}$

$x = 8$

$D(8,-1)$