

5. 1次関数の利用

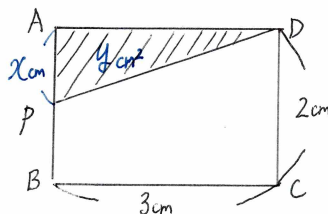
(1) 辺上を動く点と面積

p88. 学基3 (ホ) それぞれの場合で図をかく

① PがAB上 ($0 \leq x \leq 2$)

$$y = 3 \times x \times \frac{1}{2}$$

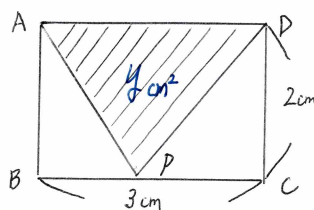
$$y = \frac{3}{2}x$$



② PがBC上 ($2 \leq x \leq 5$)

$$y = 3 \times 2 \times \frac{1}{2}$$

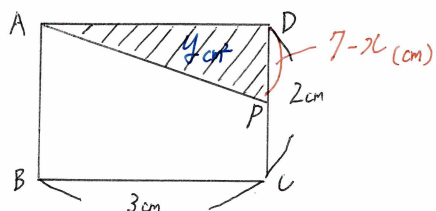
$$y = 3$$



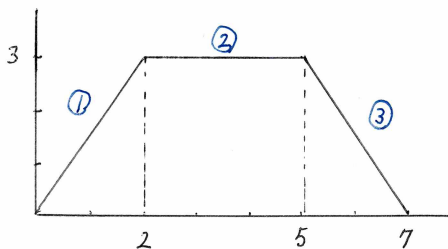
③ PがCD上 ($5 \leq x \leq 7$)

$$y = (7-x) \times 3 \times \frac{1}{2}$$

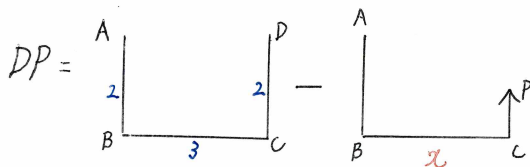
$$y = -\frac{3}{2}x + \frac{21}{2}$$



グラフ



(ホ)



$$DP = 7 - x$$