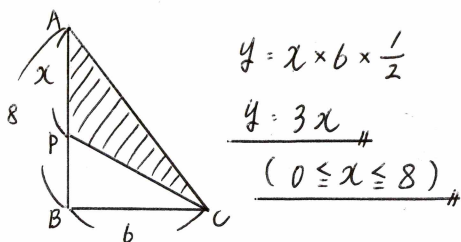
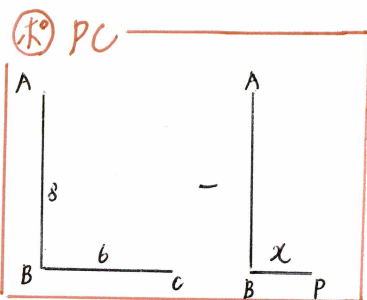
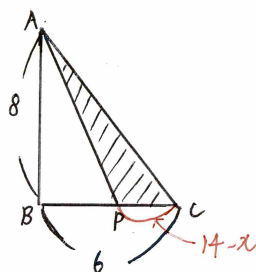


p89.7 (1) ① AB上

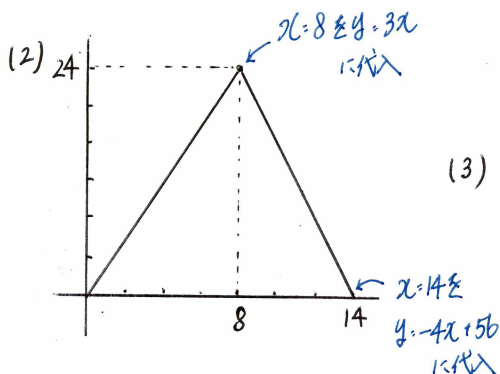


② BC上



$$y = (14-x) \times 8 \times \frac{1}{2}$$

$$y = -4x + 56 \quad (8 \leq x \leq 14)$$



(3) $y=16$ を(1)②の式に代入

$$16 = 3x$$

$$x = \frac{16}{3}$$

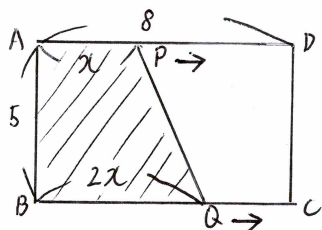
$$16 = -4x + 56$$

$$4x = 40$$

$$x = 10$$

$$\frac{16}{3} \text{ cm}, 10 \text{ cm}$$

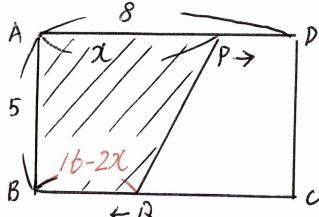
p89.8 (1) ① $0 \leq x \leq 4$



$$y = (x+2x) \times 5 \times \frac{1}{2}$$

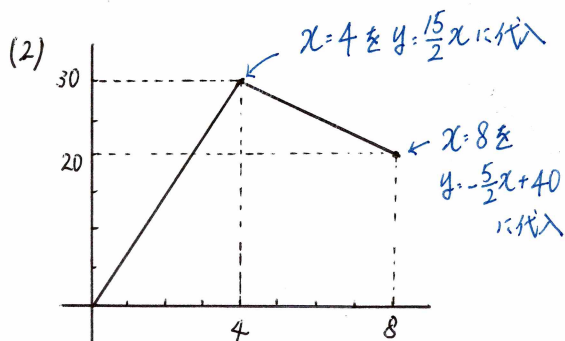
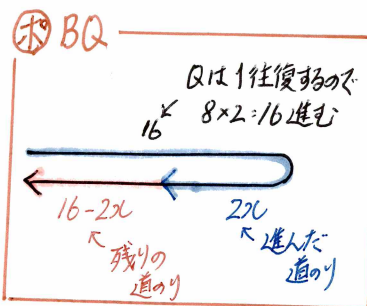
$$y = \frac{15}{2}x$$

② $4 \leq x \leq 8$



$$y = (x+16-2x) \times 5 \times \frac{1}{2}$$

$$y = -\frac{5}{2}x + 40$$



(3) $y=25$ を(1)②の式に代入

$$\frac{2}{15} \times 25 = \frac{15}{2}x \times \frac{2}{15}$$

$$x = \frac{10}{3}$$

$$25 = -\frac{5}{2}x + 40$$

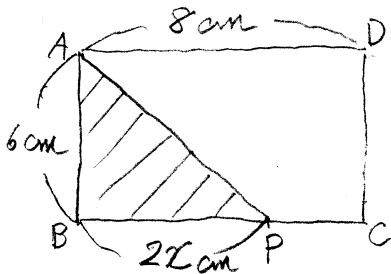
$$\frac{2}{3} \times \frac{5}{2}x = 15 \times \frac{2}{3}$$

$$x = 6$$

$$x = \frac{10}{3}, 6$$

④ グラフをかき時は変域の両端を作った式に代入する。

(1) ① 辺BC上

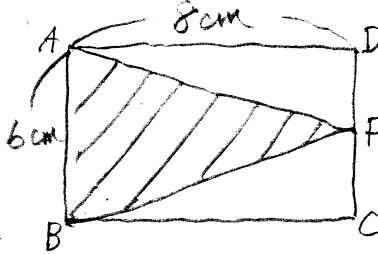


$$0 \leq x \leq 4$$

$$y = 6 \times 2x \times \frac{1}{2}$$

$$\underline{y = 6x}$$

② 辺CD上

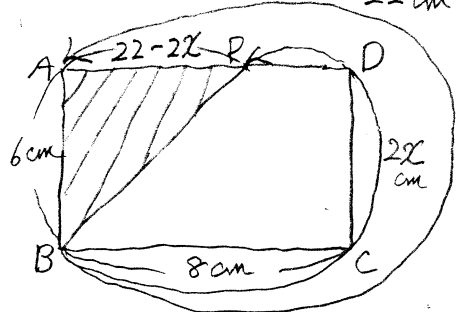


$$4 \leq x \leq 7$$

$$y = 6 \times 8 \times \frac{1}{2}$$

$$\underline{y = 24}$$

③ 辺DA上



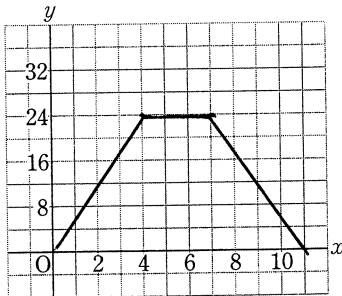
$$7 \leq x \leq 11$$

$$AP = 22 - 2x \text{ (cm)}$$

$$y = 6 \times (22 - 2x) \times \frac{1}{2}$$

$$\underline{y = -6x + 66}$$

(2)



(3) $y = -6x + 66$ に $x = 10$ を代入

$$y = -6 \times 10 + 66$$

$$y = 6$$

A. 6 cm^2

(4) $y = 6x$ に $y = 18$ を代入

$$18 = 6x$$

$$x = 3$$

A. 3秒後