

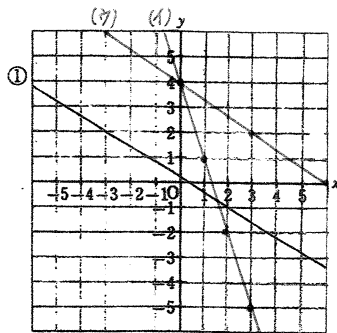
1. (7) 4θ (1) $\frac{4x+24}{15}$ (7) $\begin{cases} x = -2 \\ y = -1 \end{cases}$

2. (7) $1, 2, 4$ (1) ① $\frac{3}{2}$ ② 傾き $\frac{3}{2}$ 切片 1 ③ 9
④ $-5 \leq y \leq 4$ (7) 下へ2進む

3. (7) $y = -\frac{3}{5}x + \frac{1}{5}$ (1) $\frac{1}{3}$

4. (7) $y = -\frac{2}{3}x + \frac{1}{3}$ (1) $y = \frac{4}{3}x + \frac{2}{3}$

(7) $y = -2x - 1$



5. (1) $7, 3, 1, 5, 7, 8$ (2) ① $ア, イ$ ② $ア$

6. 6 km

$\begin{cases} 2x + y + z = 710 \\ x + y + 3z = 670 \end{cases}$

7. ① $x + 2y + 2z = 760$ ② A 220 円, B 180 円, C 90 円

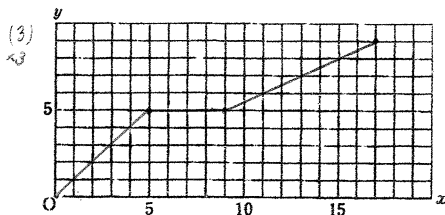
*追込・田舎は後半の解答欄へ

8. (7) 6 (1) $y = \frac{5}{2}x - \frac{5}{2}$ (7) 1

9. (1) 3 cm

(2) 17 秒後

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



10. (1) 750 m (2) 6 分後 (3) 150 m (4) 60 m

11. (7) $y = \frac{3}{5}x + 3$ (1) $(5, 6)$ (7) $y = \frac{12}{13}x + \frac{18}{13}$

追込

8. (1) $\begin{cases} x = 7 \\ y = 1 \end{cases}$ (2) $\begin{cases} x = \frac{1}{2} \\ y = 2 \end{cases}$ (3) $\begin{cases} x = -2 \\ y = -\frac{3}{5} \end{cases}$
(4) $\begin{cases} x = 1 \\ y = -1 \end{cases}$ (5) $\begin{cases} x = 5 \\ y = 10 \end{cases}$ (6) $\begin{cases} x = 6 \\ y = -3 \end{cases}$

9. A 5 %, B 11 %

10. A 時速 4 km, B 時速 12 km

11. (1) $\begin{cases} x + y = 1200 \\ 0.04x - 140 = -0.1 \times 1200 \end{cases} \rightarrow 1.04x + (y - 140) = 1200 \times 0.9 \text{ も可}$
(2) A 520 個, B 560 個

12. 円Oの周の長さは 40π cm である。

円Pの周の長さは πx cm, 円Qの周の長さは $\pi(40-x)$ cm だから。

その和は, $\pi x + \pi(40-x) = 40\pi$ (cm)

よって, 円P, Qの長さの和は, 円Oの周の長さに等しい。

対策(5)

2. (1) ③ $a = \frac{\triangle}{\triangle}$ (木)

$$6 \times \frac{3}{2} = \frac{\triangle}{\triangle} \times 6$$

$$\triangle = 9 //$$

(7) 右へ4進む $\rightarrow \triangle = 4$

$$-\frac{1}{2} = \frac{\triangle}{4}$$

$$\triangle = -2$$

↑
下へ

下へ2進む //

3. (7) 切片が整数でない時は x, y 共に整数の点を読み取る

$$(-3, 2) (2, -1)$$

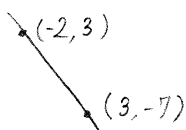
(7) $2x + 3y = 12$

$$3y = -2x + 12$$

$$y = -\frac{2}{3}x + 4$$

切片4から右へ3. 下へ2

4. (7) $a = -2 \rightarrow$ 右下がり

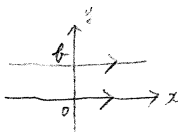


$$-2 \leq x \leq 3$$

$$-7 \leq y \leq 3$$

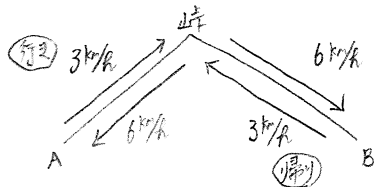
$a < 0$ の時は 逆対称

5. (1) 7. $a = 0$ のとき $y = 6$



x 軸に平行

6. A町 ~ 峠 x km. 峠 ~ B町 y km



$$\begin{cases} \frac{x}{3} + \frac{y}{6} = 1\frac{2}{3} \\ \frac{y}{3} + \frac{x}{6} = 1\frac{1}{3} \end{cases}$$

追9 Aは $x\%$. Bは $y\%$

追10. A x km/h . B y km/h

$$\begin{cases} 100 \times \frac{x}{100} + 100 \times \frac{y}{100} = 200 \times \frac{8}{100} \\ 100 \times \frac{x}{100} + 200 \times \frac{y}{100} = 300 \times \frac{9}{100} \end{cases}$$

$$\begin{cases} \frac{45}{60}x + \frac{45}{60}y = 12 \\ \frac{30}{60}x + \frac{50}{60}y = 12 \end{cases}$$

鷹

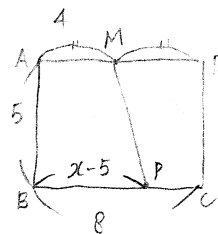
$$8. (7) y = 3 \times 4 \times \frac{1}{2}$$

 $= 6$

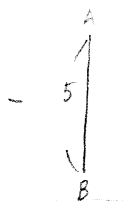
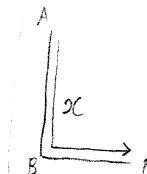
$$(1) y = \{4 + (x-5)\} \times 5 \times \frac{1}{2}$$

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

$$(7) P=B \text{ のとき } y = 5 \times 4 \times \frac{1}{2} \\ = 10$$



⑩



$$9. (1) 10 \times 5 \times h \cdot 50 \times 3 \\ h = 3$$

$$(2) (20 \times 5 \times 9 - 2 \times 5 \times 5) \div 50 = 17$$

$$(3) (1) \text{より } 18 \cdots 1 \text{ cm} \\ 55 \cdots 5 \text{ cm} \rightarrow (5, 5)$$

$$\text{容器の右側 } 8 \times 5 \times 5 \div 50 = 4 \\ 4 \text{ 区間は高さ一定} \rightarrow (9, 5)$$

$$(2) \text{より } (17, 9)$$

$$(4) (9, 5) (17, 9)$$

$$10. (4) (750 - 150) \div (17 - 7) = 60$$

$$11. (7) BC \text{ の中点 } (-\frac{3}{2}, 0) \text{ と } A(5, 6) \text{ を通る直線}$$