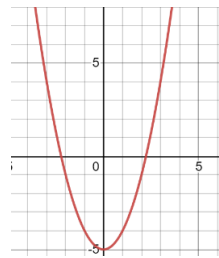


問 2

2) 最小値 $x = 0$ のとき $y = -5$

最大値 $x = 2$, または -2 のとき $y = 11$



3) $y - 2 = 4(x - 1)^2 - 5$

$y = 4(x - 1)^2 - 3$

問 3

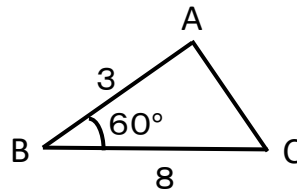
1)

$$s = \frac{1}{2} \times 3 \times 8 \times \sin 60^\circ$$

$$= \frac{1}{2} \times 3 \times 8 \times \frac{\sqrt{3}}{2}$$

$$= 6\sqrt{3}$$

A. $6\sqrt{3} \text{ cm}^2$



2) $AC^2 = AB^2 + BC^2 - 2 \cdot AB \cdot BC \cdot \cos \angle B$

$$= 9 + 64 - 2 \cdot 3 \cdot 8 \cdot \frac{1}{2} = 49$$

$$AC = 7$$

A. 7 cm

3)

$$\frac{7}{\sin 60^\circ} = 2R$$

$$R = \frac{7}{\sqrt{3}} = \frac{7}{3}\sqrt{3}$$

A. $\frac{7}{3}\sqrt{3} \text{ cm}$

問 4

1) $A \cup B = \{1, 2, 3, 4, 5, 6\}$

2) $A \cap B = \{2, 3\}$

3) $\bar{A} \cap B$

$$\bar{A} = \{5, 6, 7, 8, 9\}$$

$$\bar{A} \cap B = \{5, 6\}$$