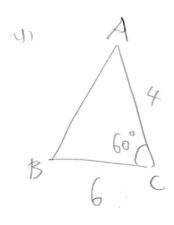
Zulceit 09

次の図形の面積を求めよ。

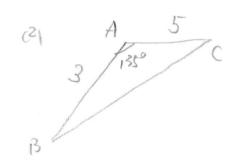
- (1) $a = 6, b = 4, \angle C = 60^{\circ} \mathcal{O} \triangle ABC$
- (2) $b = 5, c = 3, \angle A = 135^{\circ} \mathcal{O} \triangle ABC$
- (3) 1辺の長さが2である正三角形
- (4) 半径2の円に内接する正六角形



$$4$$
 $S = \frac{1}{2} \cdot 4 \cdot 6 \cdot 10^{-60}$

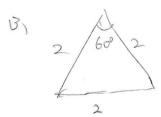
$$= \frac{1}{2} \cdot 4 \cdot 6 \cdot \frac{\sqrt{3}}{2}$$

$$= 6\sqrt{3}$$



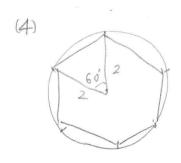
$$S = \frac{1}{2} \cdot 3.5 \cdot \frac{135}{2}$$

$$= \frac{15\sqrt{2}}{4}$$



$$\frac{2}{5} = \frac{1}{2} \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 60$$

$$= \frac{1}{2} \cdot 2 \cdot 2 \cdot \frac{53}{2} = 53$$



$$S = \frac{1}{2} \cdot 2 \cdot 2 \cdot 2 \cdot \cancel{50} \cdot \cancel{50} \times 6$$

$$= \frac{1}{2} \cdot 2 \cdot 2 \cdot \cancel{53} \times 6$$

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