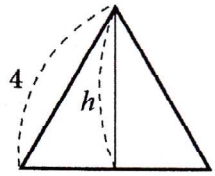
月 / 日 | 間違えた数 | 中３　数　学 | 合格 / 失格 | NAME

三平方の定理－⑤

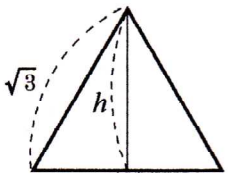
問題１　次の正三角形の高さ h と面積 S を求めよ。

①



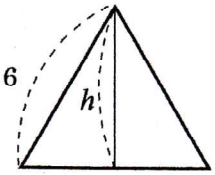
h $2\sqrt{3}$　S $4\sqrt{3}$

②



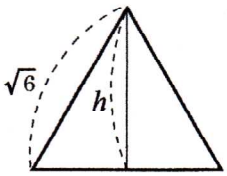
h $\frac{3}{2}$　S $\frac{3\sqrt{3}}{4}$

③



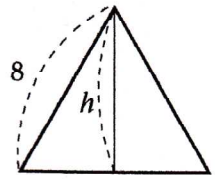
h $3\sqrt{3}$　S $9\sqrt{3}$

④



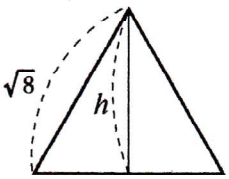
h $\frac{3\sqrt{2}}{2}$　S $\frac{3\sqrt{3}}{2}$

⑤



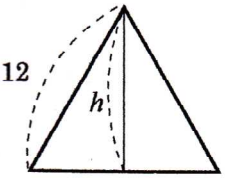
h $4\sqrt{3}$　S $16\sqrt{3}$

⑥



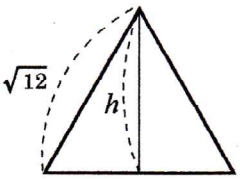
h $\sqrt{6}$　S $2\sqrt{3}$

⑦



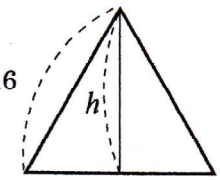
h $6\sqrt{3}$　S $36\sqrt{3}$

⑧



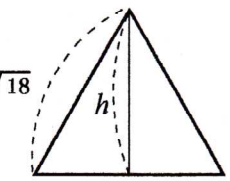
h 3　S $3\sqrt{3}$

⑨



h $8\sqrt{3}$　S $64\sqrt{3}$

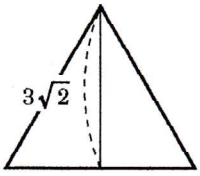
⑩



h $\frac{3\sqrt{6}}{2}$　S $\frac{9\sqrt{3}}{2}$

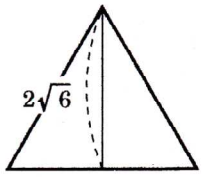
問題２　次の正三角形の１辺 a と面積 S を求めよ。

①



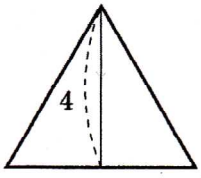
a $2\sqrt{6}$　S $6\sqrt{3}$

②



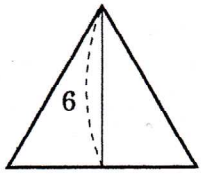
a $4\sqrt{2}$　S $8\sqrt{3}$

③



a $\frac{8\sqrt{3}}{3}$　S $\frac{16\sqrt{3}}{3}$

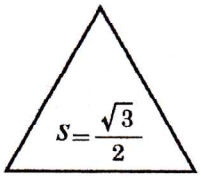
④



a $4\sqrt{3}$　S $12\sqrt{3}$

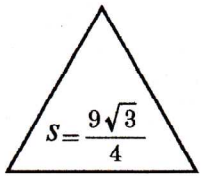
問題３　次の正三角形の１辺 a と高さ h を求めよ。

①



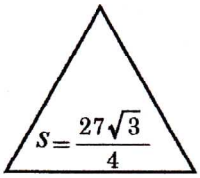
a $\sqrt{2}$　h $\frac{\sqrt{6}}{2}$

②



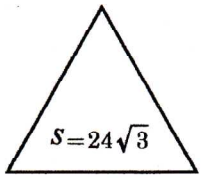
a 3　h $\frac{3\sqrt{3}}{2}$

③



a $3\sqrt{3}$　h $\frac{9}{2}$

④



a $4\sqrt{6}$　h $6\sqrt{2}$