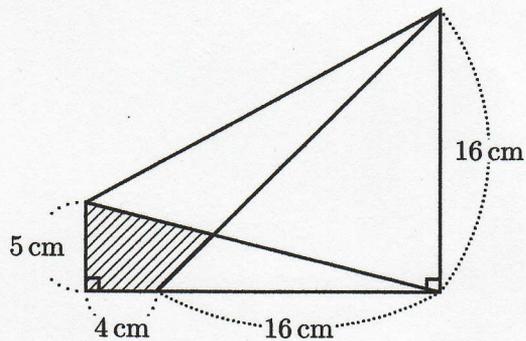
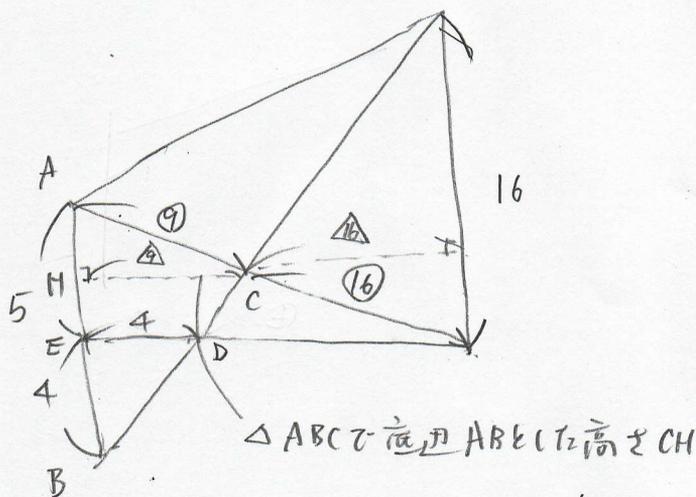


右の図の斜線部分の面積を求めなさい。



[明治大附属中野中]



$\triangle ABC$ の底辺 AB 上の高さ CH

$$CH = 20 \times \frac{9}{25} = \frac{36}{5}$$

$$\begin{aligned} \therefore \triangle ABC &= 9 \times \frac{36}{5} \times \frac{1}{2} \\ &= \frac{162}{5} \end{aligned}$$

よ、斜線部は

$$\begin{aligned} &\triangle ABC - \triangle DEB \\ &= \frac{162}{5} - 4 \times 4 \times \frac{1}{2} \\ &= \frac{162}{5} - \frac{40}{5} \\ &= \frac{122}{5} \end{aligned}$$

$$\underline{\underline{\frac{122}{5} \text{ cm}^2}}$$