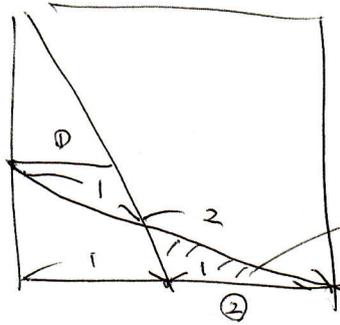
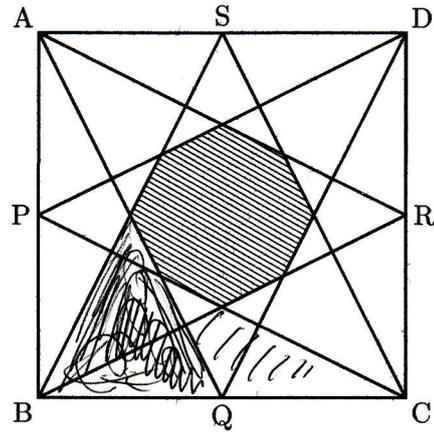
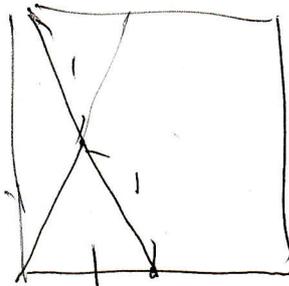




右の正方形 ABCD の1 辺は 10 cm で、各辺の中点をそれぞれ P, Q, R, S とし図のように各頂点と結ぶ。このとき、各線分で囲まれた斜線部分の面積を求めなさい。



$$\frac{1}{2} \times \frac{1}{2} \times \frac{1 \times 2}{2 \times 3} = \frac{1}{12}$$



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

$$\begin{aligned} & 100 - 100 \times 4 \times \left( \frac{1}{12} + \frac{1}{8} \right) \\ &= 100 - 100 \times 4 \times \frac{5}{24} \\ &= 100 - \frac{250}{3} \\ &= \frac{50}{3} \text{ cm}^2 \end{aligned}$$

