



3D

Aldo/01 - Anselmo/03 - Angel/06 - Joy/24
XII MIPA 7



Kerjakan soal berikut!

1



Buktikan $ED \perp$
BH!

2



Tentukan jarak
P1 ke R3!

3



Tentukan jarak
Q4 ke A6!

4



Tentukan jarak
F ke ACGE!

Kerjakan soal berikut!

5



Tentukan jarak
DS3 ke FS5

6



Tentukan jarak
HF ke ES1

7



Tentukan hasil
dan jarak proyeksi
AC ke FH

8



Tentukan hasil
dan jarak proyeksi
CF ke ACGE!

1

$AB \perp ADHE$

(I) $AB \perp AD$
(II) $AB \perp AE$

} $AB \perp ADHE$, maka $AB \perp ED$

$ED \perp ABGH$

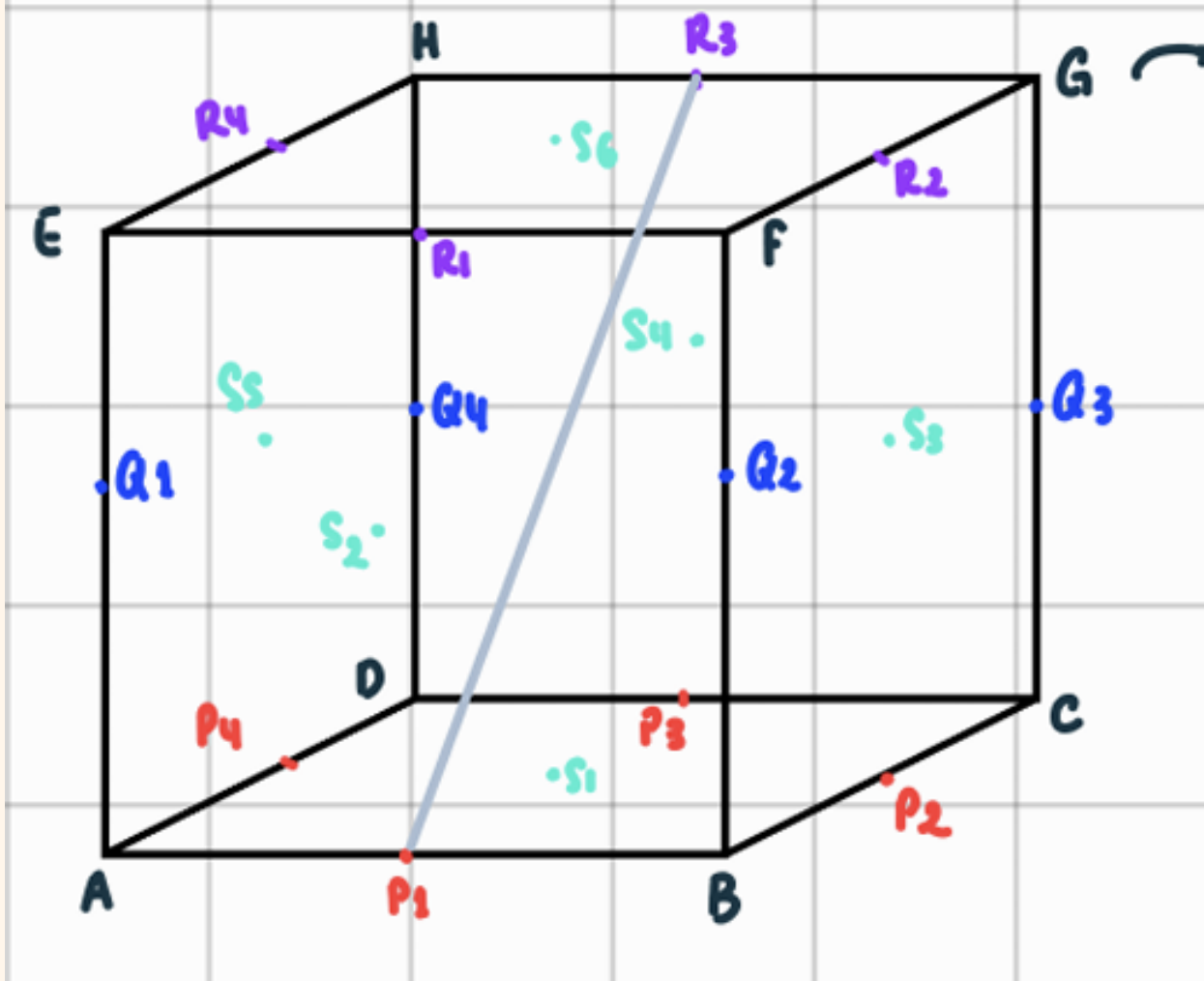
(I) $ED \perp AB$
(II) $ED \perp AH$

} $ED \perp ABGH$, maka $ED \perp BH$



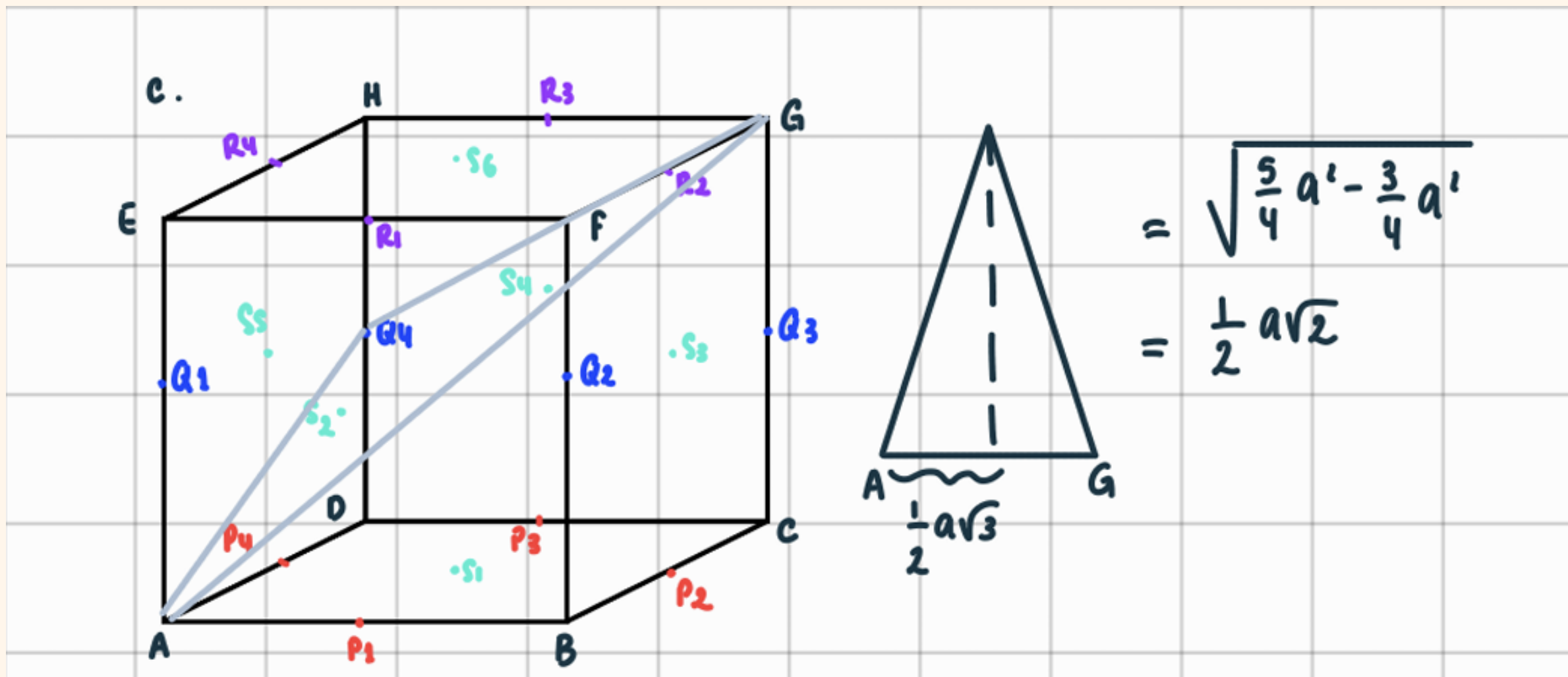
2

b. Jarak P_1 ke R_3



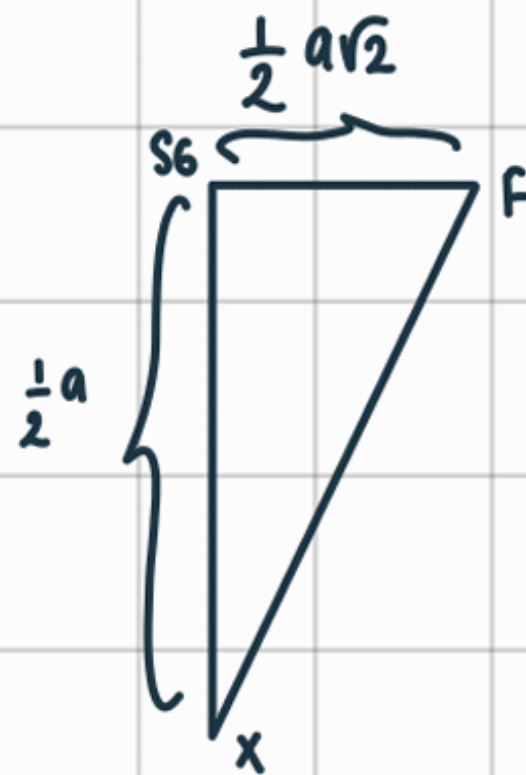
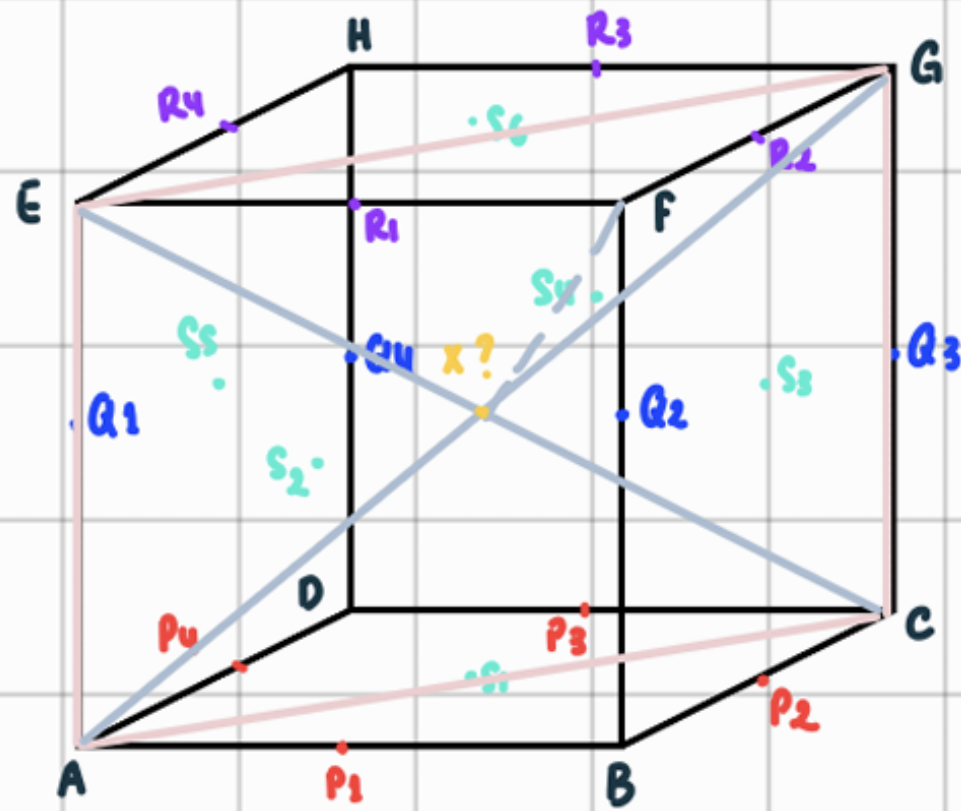
Diagonal sisi = $a\sqrt{2}$





4

a. Jarak F ke ACGE



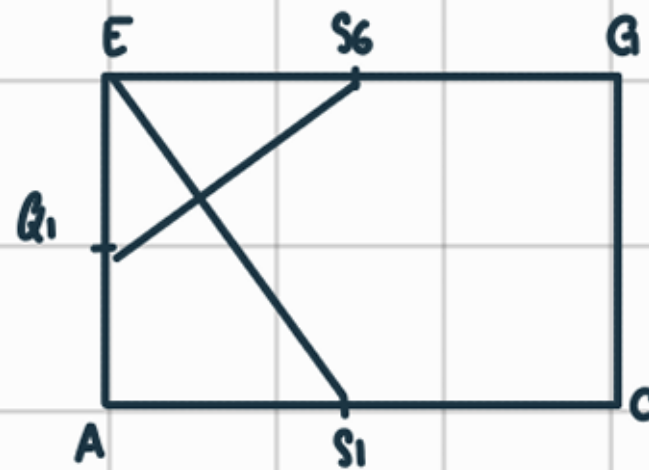
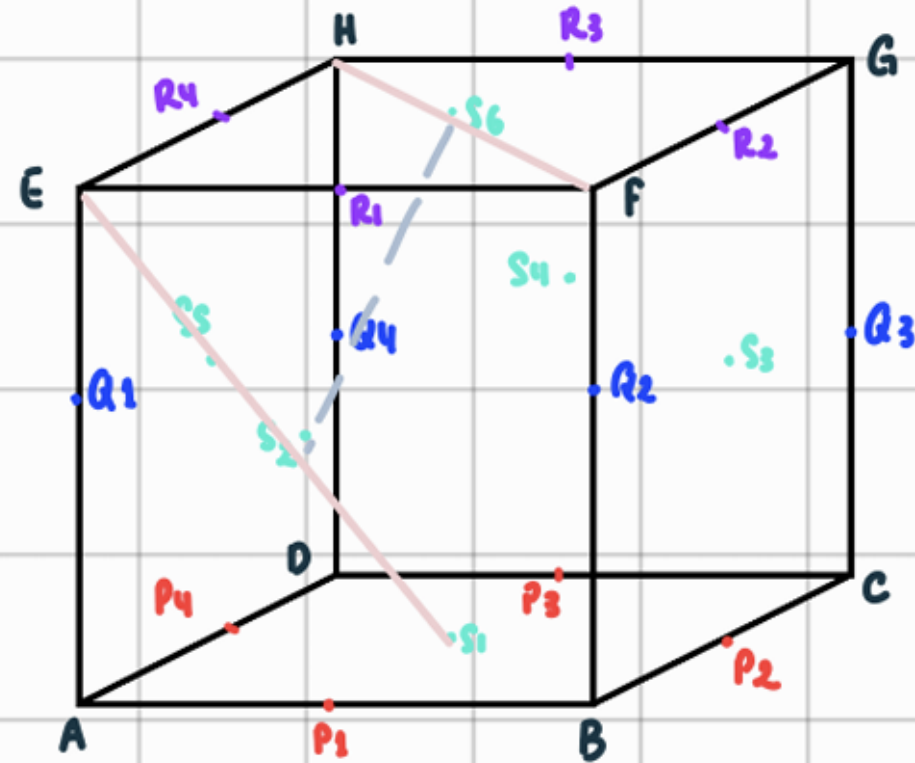
$$\begin{aligned}
 f_x &= \sqrt{\frac{1}{4}a'^2 \cdot 4 + \frac{1}{4}a'^2} \\
 &= \sqrt{a'^2 + \frac{1}{4}a'^2} \\
 &= \sqrt{\frac{5}{4}a'^2} \\
 &= \frac{1}{2}a'\sqrt{5}
 \end{aligned}$$



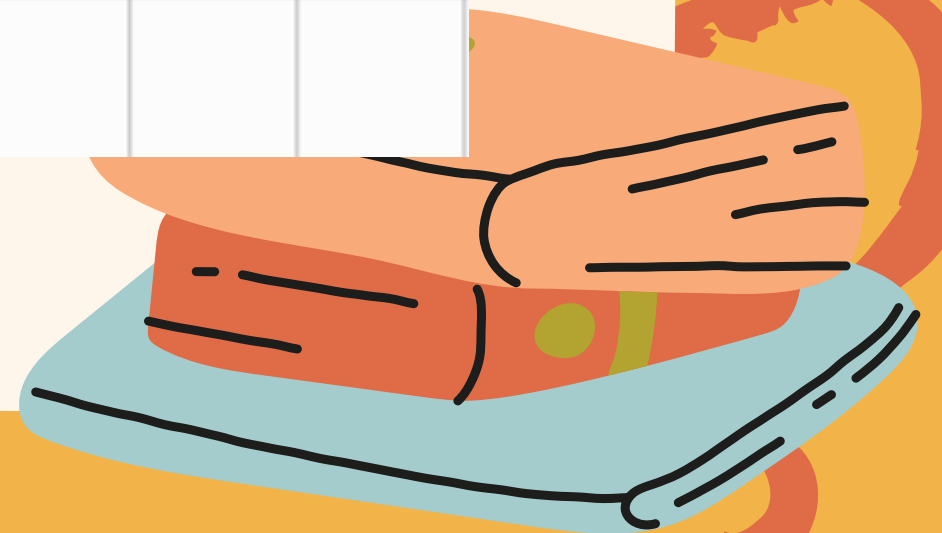


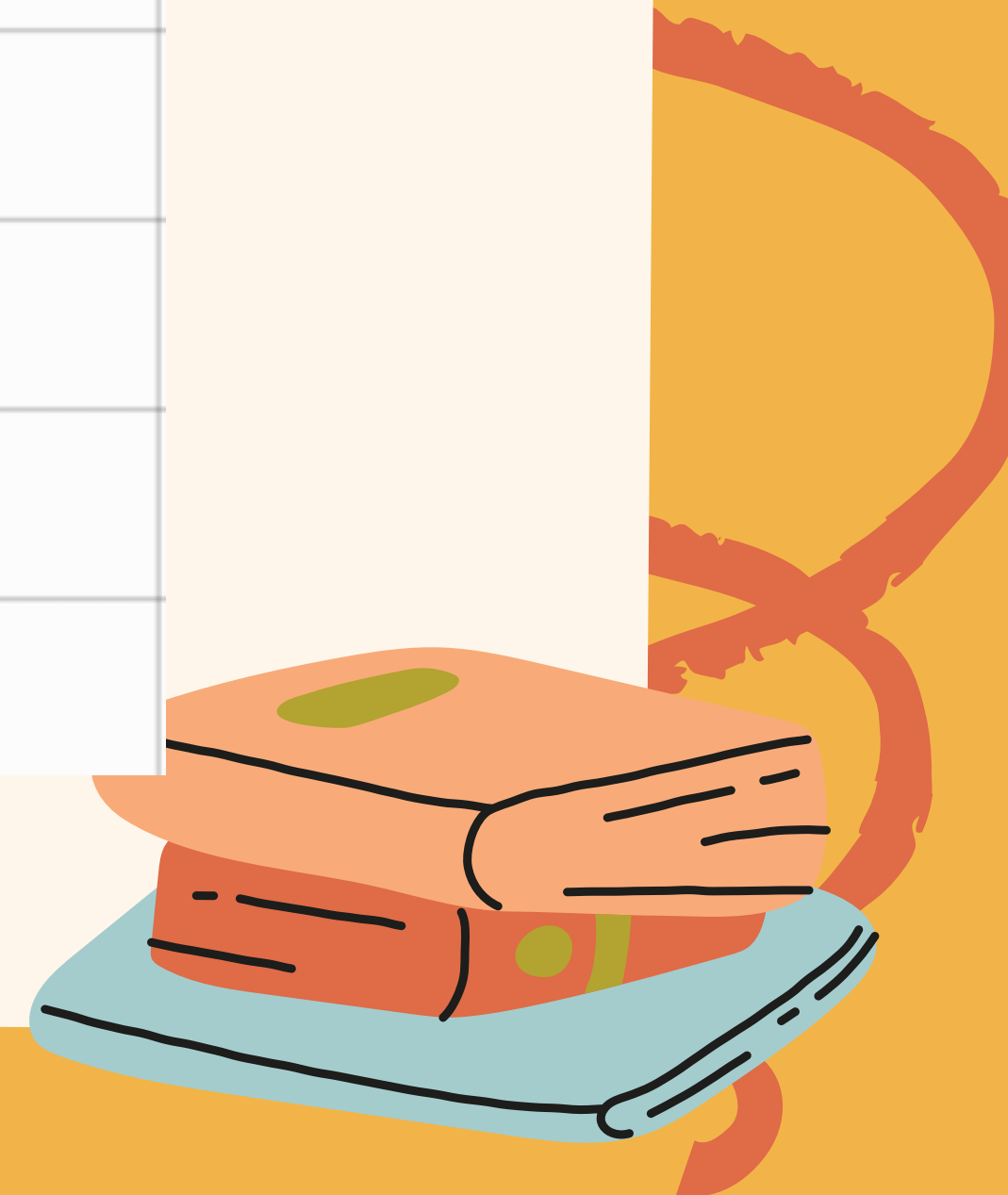
6

f. Jarak HF ke ES_1

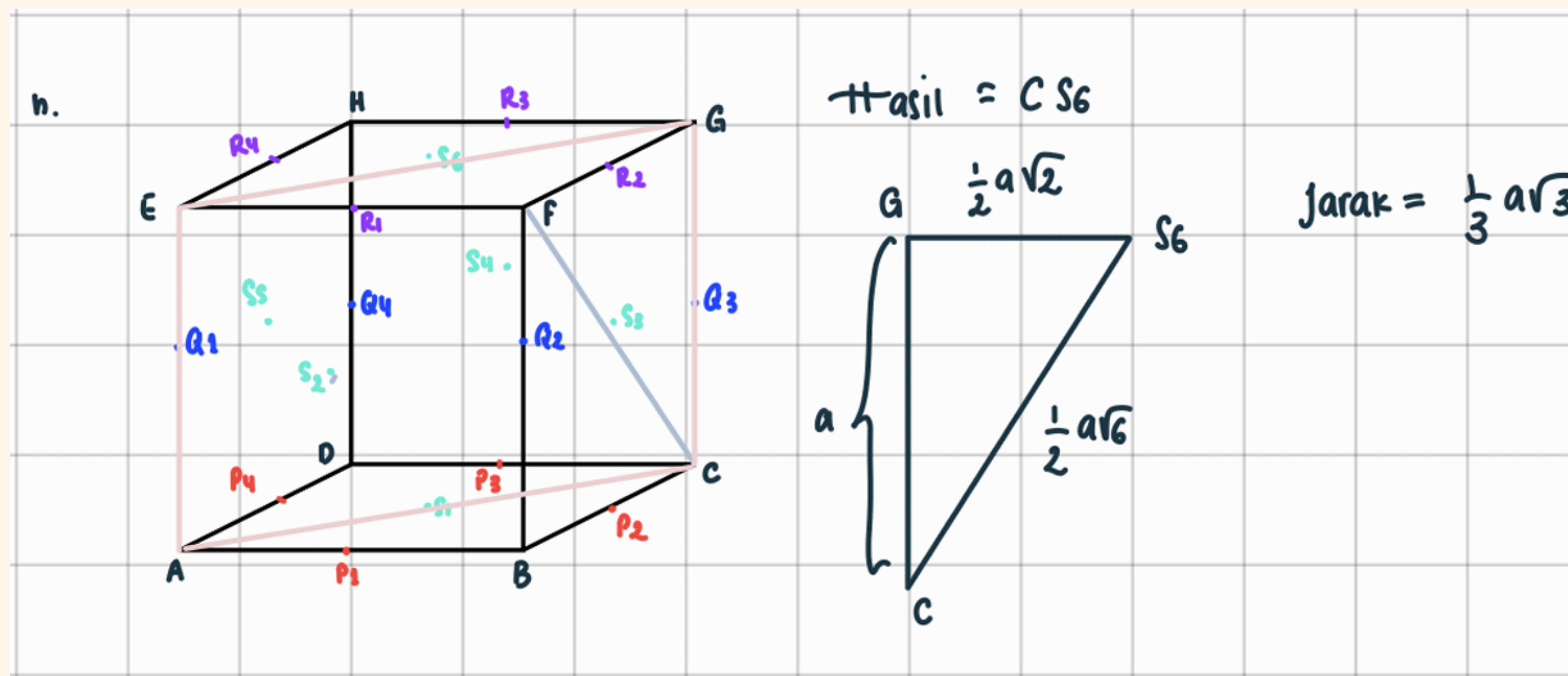


$$\begin{aligned} S_6 S_6' &= \frac{2}{3} S_6 Q_1 \\ &= \frac{2}{3} \cdot \frac{1}{2} a\sqrt{3} \\ &= \frac{1}{3} a\sqrt{3} \end{aligned}$$





8



Thank You

