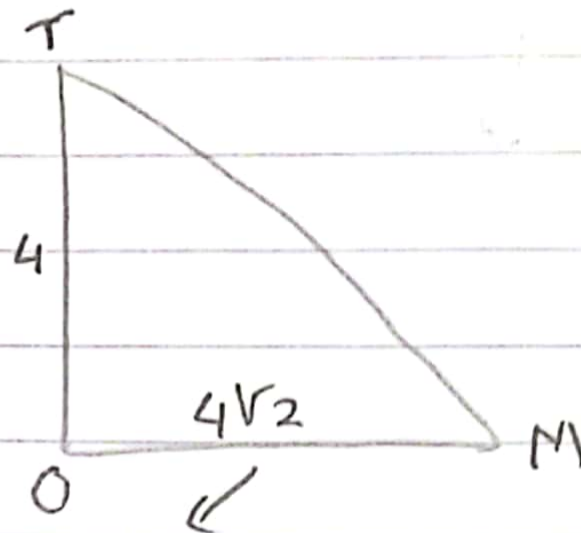


No.

Date: 06-09-2021

Priesty Wiwaron XII MIPA 3

Uji Kompetensi 2

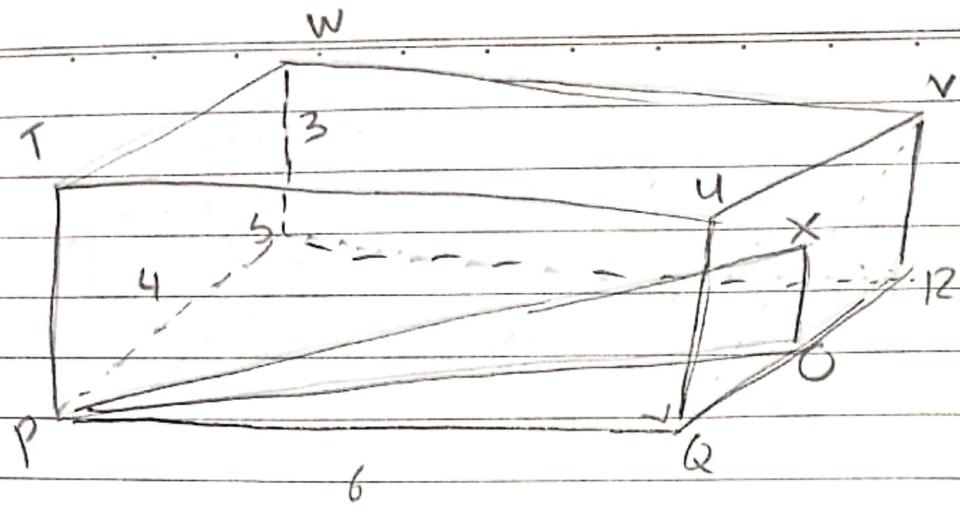


$$\begin{aligned} TM &= \sqrt{(4)^2 + (4\sqrt{2})^2} \\ &= \sqrt{16 + (16 \cdot 2)} \\ &= \sqrt{16 + 32} \\ &= \sqrt{48} \end{aligned}$$

$$TM = 4\sqrt{3} \text{ cm d.}$$

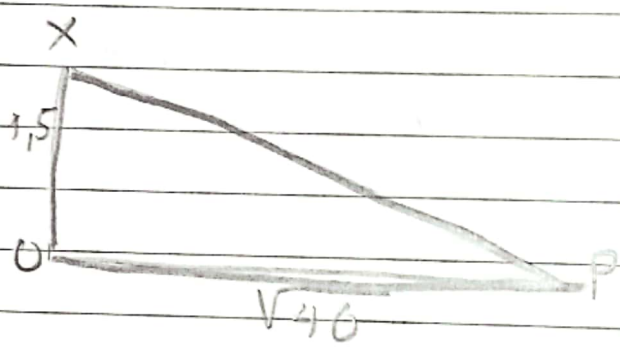
$$OM = \frac{1}{2} \cdot 8\sqrt{2} = 4\sqrt{2}$$

2.



$$PO = \sqrt{2^2 + 6^2}$$

$$= \sqrt{40}$$



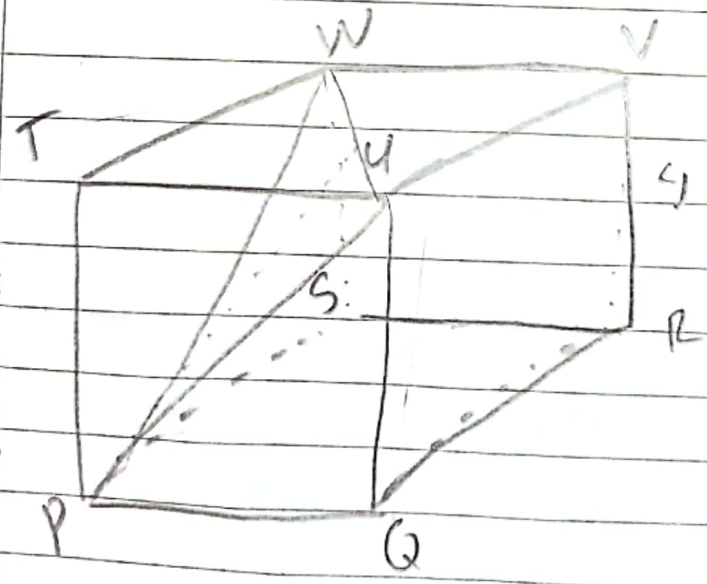
$$PX = \sqrt{(1,5)^2 + (\sqrt{40})^2}$$

$$= \sqrt{2,25 + 40}$$

$$= \sqrt{42,25}$$

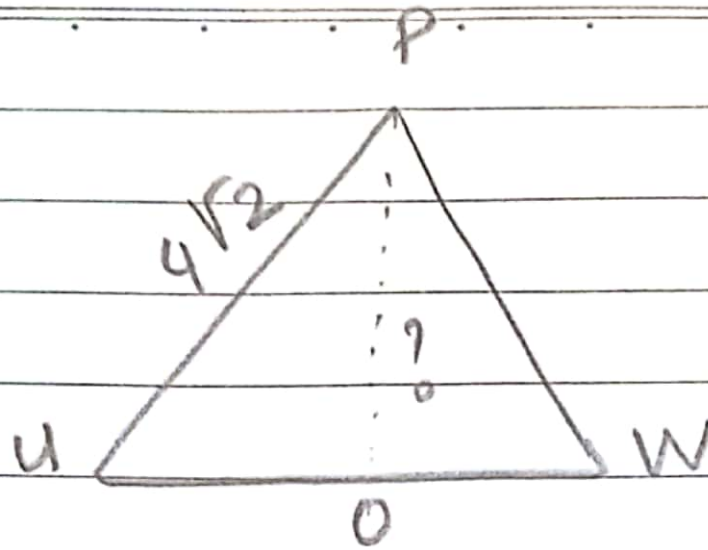
$$= 6,5 \text{ d.}$$

3.



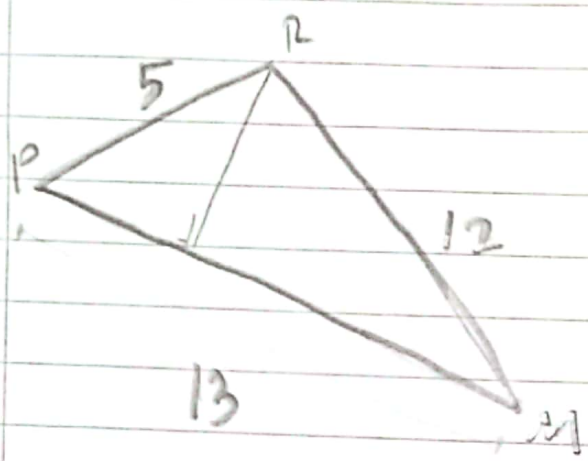
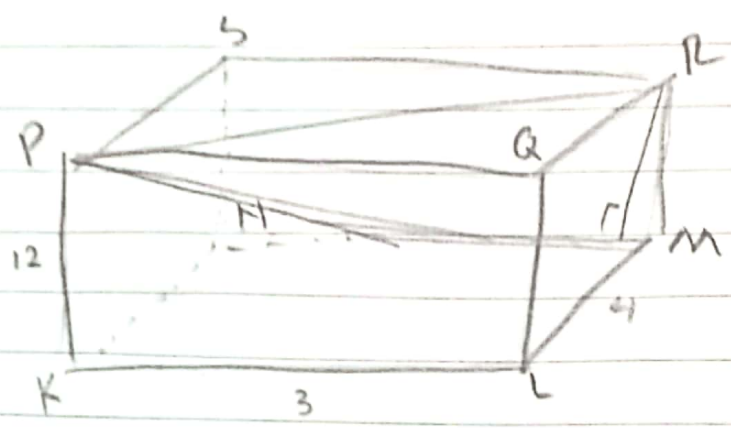
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Date: _____



$$\begin{aligned} uO &= \sqrt{(4\sqrt{2})^2 - (2\sqrt{2})^2} \\ &= \sqrt{16 \cdot 2 - 4 \cdot 2} \\ &= \sqrt{32 - 8} \\ &= \sqrt{26} \\ &= \underline{\underline{2\sqrt{6}}} \quad e. \end{aligned}$$

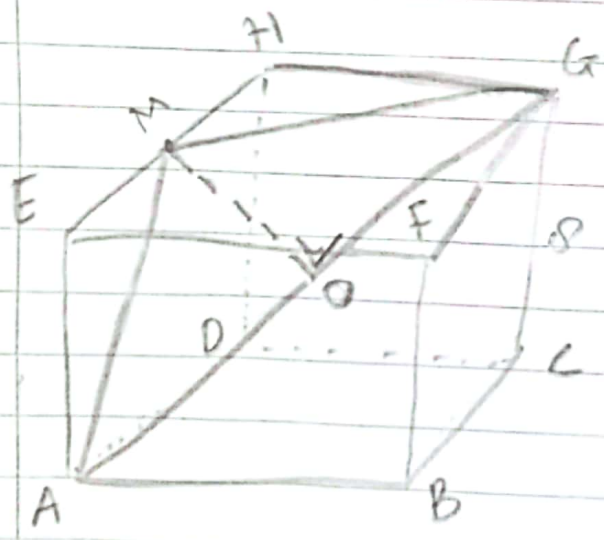
4.



$$\begin{aligned} \triangle PMR &= \triangle PMR \\ \frac{1}{2} PM \cdot MR &= \frac{1}{2} PR \cdot MH \\ 13 \cdot MH &= 12 \cdot 5 \\ MH &= \frac{60}{13} \text{ cm} \end{aligned}$$

a.

5.



$$\begin{aligned} MG &= \sqrt{4^2 + 8^2} \\ &= \sqrt{16 + 64} \\ &= \sqrt{80} \\ MG &= 4\sqrt{5} \end{aligned}$$

$$\begin{aligned} MO &= \sqrt{(4\sqrt{5})^2 - (4\sqrt{3})^2} \\ &= \sqrt{16 \cdot 5 - 16 \cdot 3} \\ &= \sqrt{80 - 48} \\ &= \sqrt{32} \\ &= 4\sqrt{2} \quad \text{b.} \end{aligned}$$