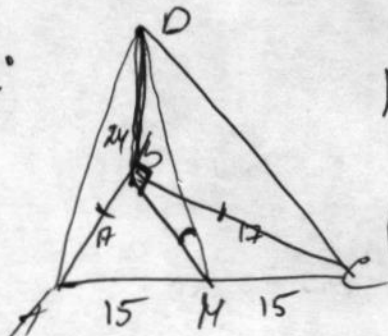


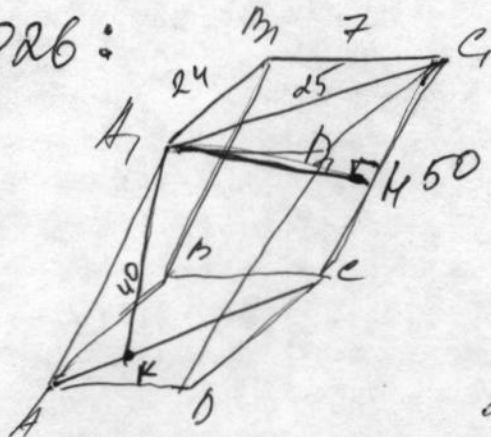
В041:



$$h_{ABC} = \sqrt{17^2 - 15^2} = 8$$

$$\text{tgd} = \frac{BD}{BM} = \frac{24}{8} = 3$$

В026:



Касову A_1M , т.к. $\triangle ABCD$ - прямоугольник $\Rightarrow$

$$A_1C = \sqrt{A_1B^2 + B_1C^2} = \sqrt{24^2 + 7^2} = 25$$

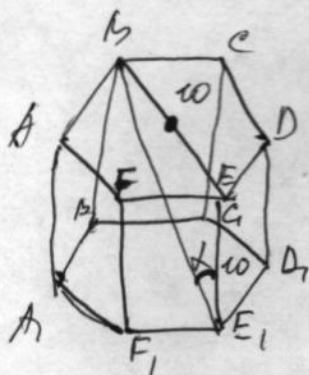
A_1C , CC_1 - пер-мн, $\angle A_1CK = 40^\circ$, $AC = A_1C$

$$\begin{cases} S_{AA_1CC} = A_1K \cdot AC \\ S_{AA_1CC} = A_1M \cdot CC_1 \end{cases}$$

$$A_1K \cdot AC = A_1M \cdot CC_1 \Rightarrow A_1M = \frac{A_1K \cdot AC}{CC_1} = \frac{40 \cdot 25}{50} =$$

$$= 20$$

В023:



$$a_n = 2R \sin 30^\circ \Rightarrow a_n = R = 5$$

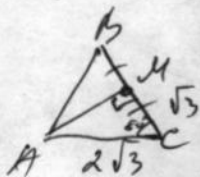
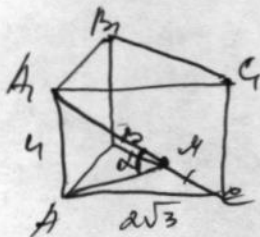
$$BE = 2 \cdot 5 = 10$$

$\triangle BEE_1$ - прямоугольн

$$\text{tgd} = \frac{10}{10} = 1$$

$$\angle = 45^\circ$$

В020:



$$AM = MC \cdot \text{tg} 60^\circ = \sqrt{3} \cdot \sqrt{3} = 3$$

$$A_1M = \sqrt{9 + 16} = 5$$

$$\cos \angle A_1MA = \frac{AM}{A_1M} = \frac{3}{5} = 0,6$$

В024 т.к. в основании лежит р/с. тр-н, а в нем все углы $= 60^\circ$, то угол м/р у искомого грани $= 60^\circ$