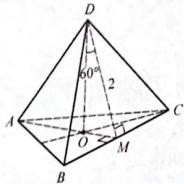


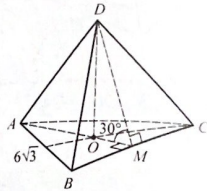
**Тема: ПРАВИЛЬНАЯ ТРЕУГОЛЬНАЯ ПИРАМИДА.
ПЛОЩАДЬ БОКОВОЙ ПОВЕРХНОСТИ**

$DABC$ – правильная пирамида. $DO \perp (ABC)$.
Найдите площадь боковой поверхности.

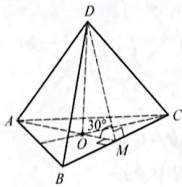
1. $DM \perp BC$, $DM = 2$,
 $\angle ODM = 60^\circ$.



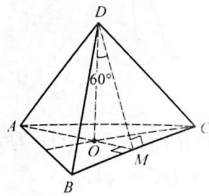
2. $AB = 6\sqrt{3}$, $DM \perp BC$,
 $\angle DMO = 30^\circ$.



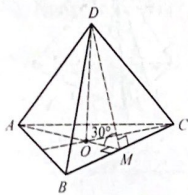
3. $AM \perp BC$, $AM = 9$,
 $\angle DMO = 30^\circ$.



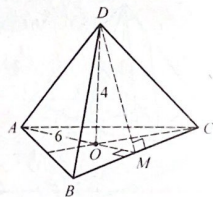
4. $DO = \sqrt{3}$, $DM \perp BC$,
 $\angle ODM = 60^\circ$.



5. $DM \perp BC$, $DM = 6$,
 $\angle AMD = 30^\circ$.

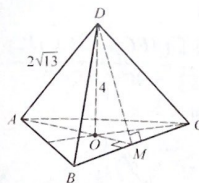


6. $AO = 6$, $DO = 4$.

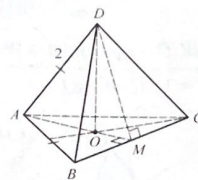


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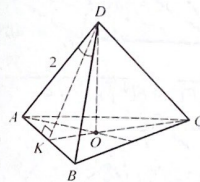
7. $AD = 2\sqrt{13}$, $DO = 4$.



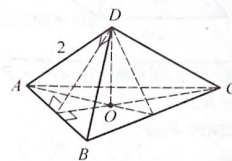
8. $AB = AD = 2$.



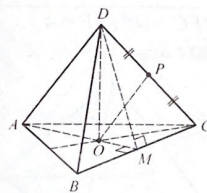
9. $\angle ADB = 120^\circ$, $AD = 2$.



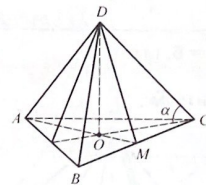
10. $\angle ADB = 90^\circ$, $AD = 2$.



11. $DP = PC$, $OP = \frac{\sqrt{63}}{2}$,
 $BC = 6\sqrt{3}$.



12. $AB = 18$, $\operatorname{tg} \alpha = \frac{\sqrt{3}}{6}$.

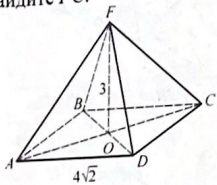


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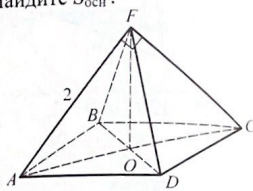
Тема: ПРАВИЛЬНАЯ ЧЕТЫРЕХУГОЛЬНАЯ ПИРАМИДА

$FABCD$ – правильная пирамида. $FO \perp (ABC)$, $FM \perp DC$.

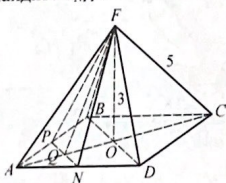
1. $OF = 3$, $AD = 4\sqrt{2}$.
Найдите FC .



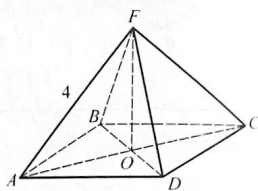
2. $\angle AFC = 90^\circ$, $AF = 2$.
Найдите $S_{осн}$.



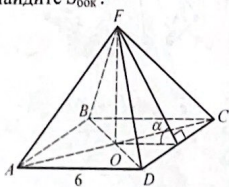
3. $FC = 5$, $FO = 3$, $AP = PB$,
 $AN = ND$.
Найдите S_{NPF} .



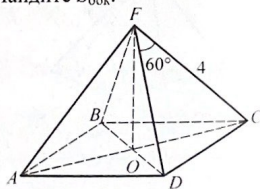
4. $\angle AFC = 60^\circ$, $AF = 4$.
Найдите $S_{осн}$.



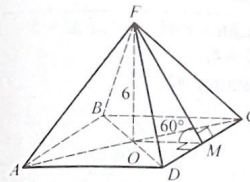
5. $AB = 6$, $\operatorname{tg} \alpha = \frac{4}{3}$.
Найдите $S_{бок}$.



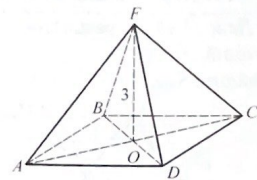
6. $\angle DFC = 60^\circ$, $AF = 4$.
Найдите $S_{бок}$.



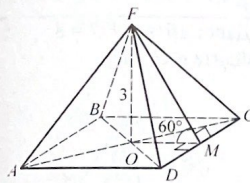
7. $OF = 6$, $\angle FMO = 60^\circ$.
Найдите $S_{бок}$.



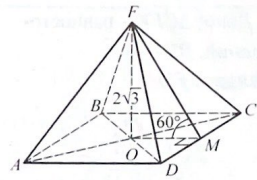
8. $OF = 3$, $S_{осн} = 64$.
Найдите $S_{бок}$.



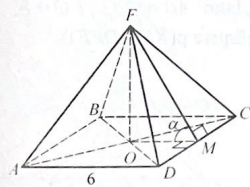
9. $OF = 3$, $\angle FMO = 60^\circ$.
Найдите $S_{бок}$.



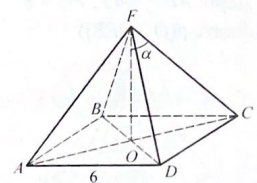
10. $FO = 2\sqrt{3}$, $\angle FMO = 60^\circ$.
Найдите $S_{пол}$.



11. $AB = 6$, $\cos \alpha = \frac{1}{3}$.
Найдите $S_{бок}$.



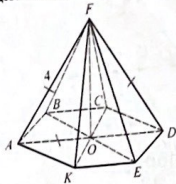
12. $AB = 6$, $\cos \alpha = \frac{\sqrt{6}}{3}$.
Найдите FO .



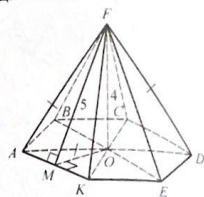
Тема: ПРАВИЛЬНАЯ ШЕСТИУГОЛЬНАЯ ПИРАМИДА

$FABCDEK$ – правильная пирамида. $FO \perp (ABO)$.

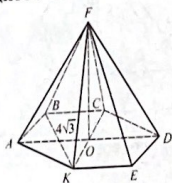
1. Дано: $\triangle AFD$ – равносторонний, $AF = 4$.
Найдите $S_{\text{осн}}$.



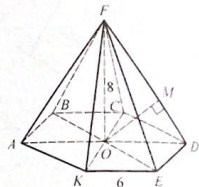
2. Дано: $FM \perp AK$, $FM = 5$,
 $FO = 4$.
Найдите AB .



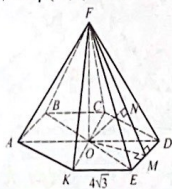
3. Дано: $\triangle CFK$ – равносторонний, $BK = 4\sqrt{3}$.
Найдите FO .



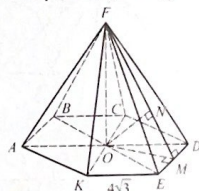
4. Дано: $AB = 6$, $FO = 8$.
Найдите $\rho(O, FD)$.



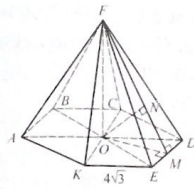
5. Дано: $AB = 4\sqrt{3}$, $FO = 8$.
Найдите $\rho(O, DFE)$.



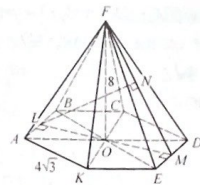
6. Дано: $AB = 4\sqrt{3}$, $FO = 8$.
Найдите $\rho(KC, DFE)$.



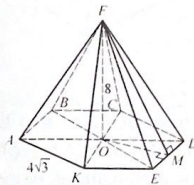
7. Дано: $AB = 4\sqrt{3}$, $FO = 8$.
Найдите $\rho(K, DFE)$.



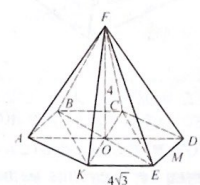
8. Дано: $AB = 4\sqrt{3}$, $FO = 8$.
Найдите $\rho(AB, DFE)$.



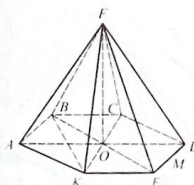
9. Дано: $AB = 4\sqrt{3}$, $FO = 8$.
Найдите $\cos \angle((ABC), DFE)$.



10. Дано: $AB = 4\sqrt{3}$, $FO = 4$.
Найдите $\cos \angle(BK, FE)$.



11. Найдите $\angle(BK, FD)$.



12. Найдите $\angle(AC, FE)$.

