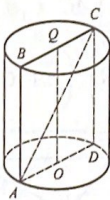


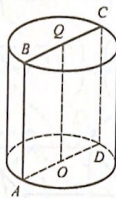
Тема: ЦИЛИНДР

1. Дано: $R = 3, H = 8$.
Найдите AC .

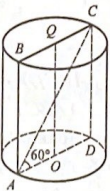


2. Дано: $ABCD$ – квадрат,
 $S_{ABCD} = 12$.

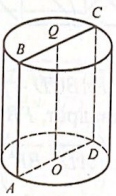
Найдите $\frac{S_{осн}}{\pi}$.



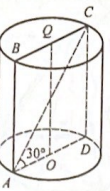
3. Дано: $R = \sqrt{3}, \angle CAD = 60^\circ$.
Найдите H .



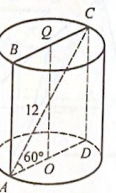
4. Дано: $S_{бок} = 36\pi$.
Найдите S_{ABCD} .



5. Дано: $S_{осн} = 3\pi, \angle CAD = 30^\circ$.
Найдите H .

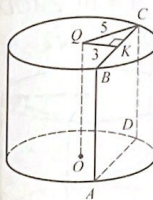


6. Дано: $AC = 12, \angle CAD = 60^\circ$.
Найдите $\frac{S_{осн}}{\pi}$.

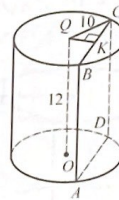


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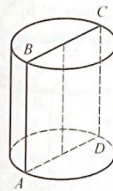
7. Дано: $H = 7, R = 5, AB \parallel OQ$,
 $QK \perp BC, QK = 3$.
Найдите S_{ABCD} .



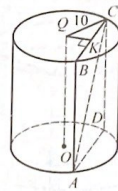
8. Дано: $H = 12, R = 10$,
 $AB \parallel OQ, AB = BC, QK \perp BC$.
Найдите QK .



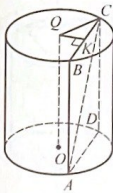
9. Дано: $S_{ABCD} = 6$.
Найдите $S_{бок.цил.}$



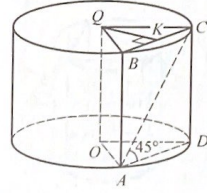
10. Дано: $H = 5, R = 10$,
 $AB \parallel OQ, AC = 13, QK \perp BC$.
Найдите QK .



11. Дано: $H = 7, AB \parallel OQ$,
 $AC = 25, QK \perp BC, QK = 5$.
Найдите R .



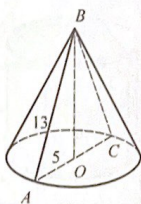
12. Дано: $R = 13, QK \perp BC$,
 $QK = 5, \angle CAD = 45^\circ$.
Найдите H .



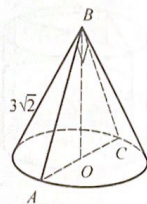
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Тема: КОНУС

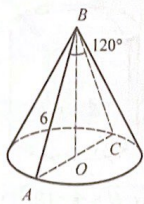
1. Дано: $l = 13, R = 5$.
Найдите H .



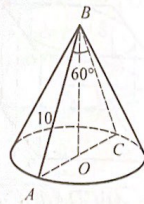
2. Дано: $\angle ABC = 90^\circ, l = 3\sqrt{2}$.
Найдите H .



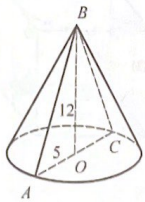
3. Дано: $\angle ABC = 120^\circ, l = 6$.
Найдите H .



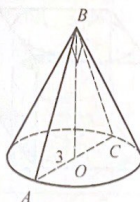
4. Дано: $\angle ABC = 60^\circ, l = 10$.
Найдите R .



5. Дано: $R = 5, H = 12$.
Найдите l .

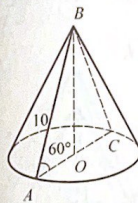


6. Дано: $\angle ABC = 90^\circ, R = 3$.
Найдите S_{ABC} .



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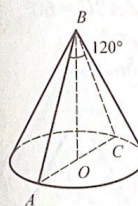
7. Дано: $l = 10, \angle BAC = 60^\circ$.
Найдите R .



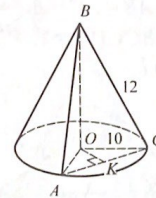
8. Дано: $\angle ABC = 60^\circ, S_{ABC} = 16\sqrt{3}$.
Найдите l .



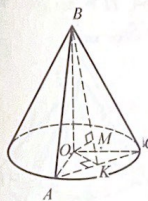
9. Дано: $\angle ABC = 120^\circ, S_{ABC} = 16\sqrt{3}$.
Найдите l .



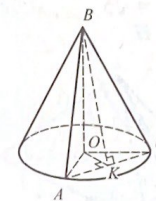
10. Дано: $\triangle ABC$ – равносторонний, $l = 12, R = 10, OK \perp AC$.
Найдите OK .



11. Дано: $H = 12, OK \perp AC, \angle OKB = 60^\circ, OM \perp BK$.
Найдите OM .



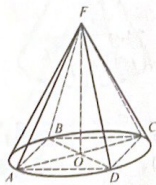
12. Дано: $H = 12, OK \perp AC, \angle OKB = 30^\circ, \angle AOC = 60^\circ$.
Найдите R .



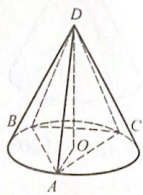
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Тема: ВПИСАННЫЙ ИЛИ ОПИСАННЫЙ КОНУС

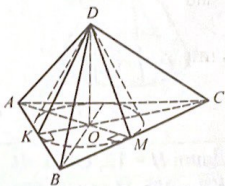
1. Дано: $ABCD$ – квадрат,
 $AB = 4\sqrt{2}$, $H = 3$.
 Найдите $S_{\text{бок. кон.}}$



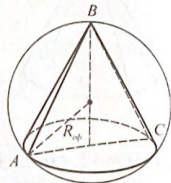
2. Дано: $AB = AC = BC = 3$,
 $H = 1$.
 Найдите l .



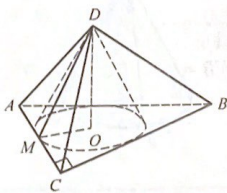
3. Дано: $AB = AC = BC = 6$,
 $DO \perp (ABC)$, $DO = 1$.
 Найдите l .



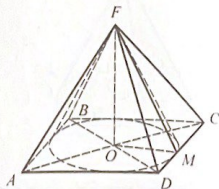
4. Дано: $\angle ABC = 60^\circ$,
 $R_{\text{опис. сферы}} = 6$.
 Найдите $S_{\text{бок. кон.}}$



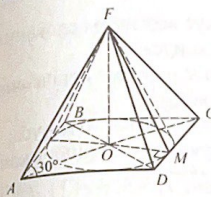
5. Дано: $\angle ACB = 90^\circ$, $AC = 3$,
 $CB = 4$, $l = \sqrt{5}$.
 Найдите H .



6. Дано: $ABCD$ – квадрат,
 $S_{ABCD} = 64$, $H = 3$.
 Найдите $S_{\text{бок. кон.}}$



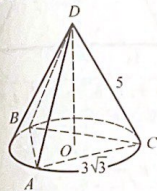
7. Дано: $ABCD$ – ромб, $\angle BAD = 30^\circ$,
 $S_{\text{бок. кон.}} = 20\pi$, $l = 5$.
 Найдите S_{ABCD} .



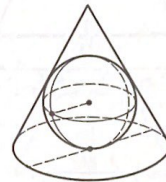
8. Дано: $\angle ABC = 90^\circ$, $AC = 6$,
 $BC = 8$, $H = 12$.
 Найдите $S_{\text{бок. кон.}}$



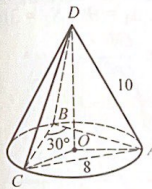
9. Дано: $AB = AC = BC = 3\sqrt{3}$,
 $DC = 5$.
 Найдите H .



10. Дано: $r_{\text{впис. сферы}} = \sqrt{3}$,
 $H = 3r_{\text{сф.}}$.
 Найдите $S_{\text{бок. кон.}}$



11. Дано: $AC = 8$, $\angle ABC = 30^\circ$,
 $AD = 10$.
 Найдите $S_{\text{бок. шл.}}$



12. Дано: $AC = 3\sqrt{3}$,
 $\angle ABC = 120^\circ$, $AD = 5$.
 Найдите $S_{\text{бок. шл.}}$

