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1.
$$V = \pi h^{2} [3R - h]$$
, $R = 3m$
 $V = \frac{\pi h^{2} 3R - \pi h^{3}}{3}$
 $3V = \pi h^{2} 3R - \pi h^{3}$
 $0 = -\pi h^{3} + 3R\pi h^{2} - 3V$
 $0 = \pi h^{3} - 9\pi h^{2} + 90$
 $\Rightarrow f'(h) = \pi h^{3} - 9\pi h^{2} + 90$
 $\Rightarrow f'(h) = 3\pi h^{2} - 18\pi h$

$$V = A \cdot h \qquad A = \pi r^{2}$$

$$A = 9\pi$$

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$$A = \frac{30}{9\pi} = \frac{1060 \text{ M}}{1060 \text{ M}} = \frac{61,97}{49,35}$$

$$A = \frac{106}{1060} = \frac{61,97}{49,35}$$

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$$A = \frac{106}{1060} = \frac{2,31}{2,31} = 0,59$$

$$A = \frac{2,31}{1060} = \frac{2,31}{2,31} = \frac{2,31}{203} = \frac{2,31}{203}$$

$$A = \frac{2,31}{1060} = \frac{2,31}{$$

$$\begin{array}{lll}
2 - \begin{cases} 4x + y - 2 = 13 & x^{\circ} = (0,0,0) \\ x - 5y - 2 = -8 \\ 2y - y - 62 = -2 \end{cases} \\
\begin{pmatrix} 4 & 1 & -1 & 13 \\ 1 & -5 & -1 & -8 \\ 2 & -1 & -6 & -2 \end{pmatrix} & b = \begin{bmatrix} 13 - 8 & -2 \end{bmatrix}^{1} \\
D = \begin{pmatrix} 4 & 0 & 0 \\ 0 & -5 & 0 \\ 0 & 0 & -6 \end{pmatrix} & D = \begin{pmatrix} 14 & 0 & 0 \\ 0 & -1/5 & 0 \\ 0 & 0 & -1/6 \end{pmatrix} \\
L = \begin{pmatrix} 0 & 0 & 0 \\ 1 & 0 & 0 \\ 2 & -1 & 0 \end{pmatrix} & U = \begin{pmatrix} 0 & 1 & -1 \\ 0 & 0 & 0 \\ 2 & -1 & 0 \end{pmatrix} \\
\chi^{0} \\
= D \begin{cases} \chi^{k+1} = -D^{-1}(L+U)\chi^{k} + D^{-1}b \\ \chi^{0} \\
0 & 0 & 1/6 \end{cases} \\
\left[9 \cdot 4 \right]^{1} & 0 & 0 \\
\left[9 \cdot 4 \right]^{1} & 0 & 0 \\
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$$P^{2} = \frac{14}{4}, \frac{18}{5}, \frac{1}{4} = \frac{1}{3}$$

$$P^{2} = \frac{14}{9}, \frac{10}{5}, \frac{10}{10}, \frac{10}{10} = \frac{1}{3}$$

$$P^{2} = \frac{14}{9}, \frac{10}{5}, \frac{10}{10}, \frac{10}{10} = \frac{1}{3}$$

$$P^{3} = \frac{10}{9}, \frac{10}{5}, \frac{10}{10}, \frac{10}{10} = \frac{10}{9}, \frac{10}{5}, \frac{10}{9}, \frac{10}{5} = \frac{10}{9}, \frac{10}{5}, \frac{10}{9}, \frac{10}{5} = \frac{10}{9}, \frac{10}{5}, \frac{10}{9}, \frac{10}{5} = \frac{10}{9}, \frac{10}{9},$$