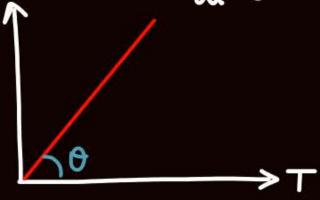




Todays Godl

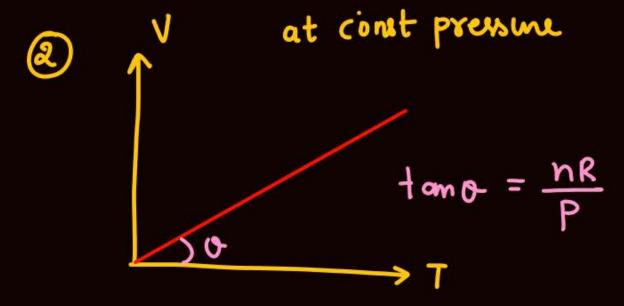
- Graph Part-02 quadratic Egh

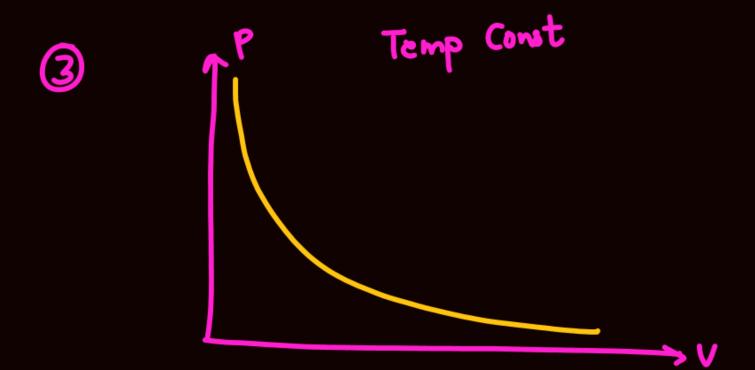


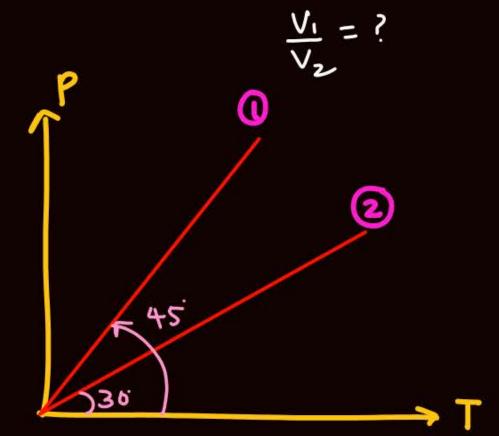


$$y = \frac{nR}{V}x$$

 $y = mx$
 $slope = tomo = \frac{nR}{V}$

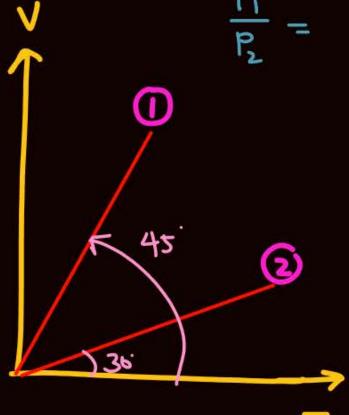




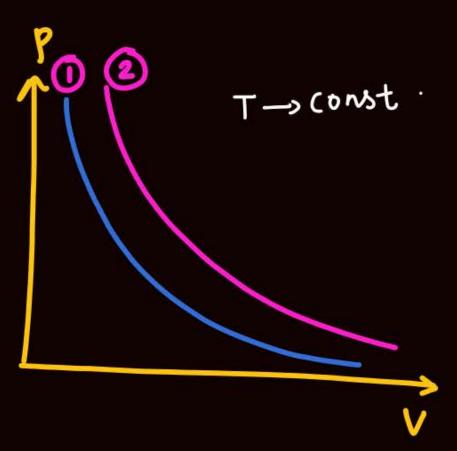


$$\frac{\tan 45}{\tan 36} = \frac{\sqrt{2}}{\sqrt{1}} = \frac{1}{1/\sqrt{3}} = \sqrt{3}$$

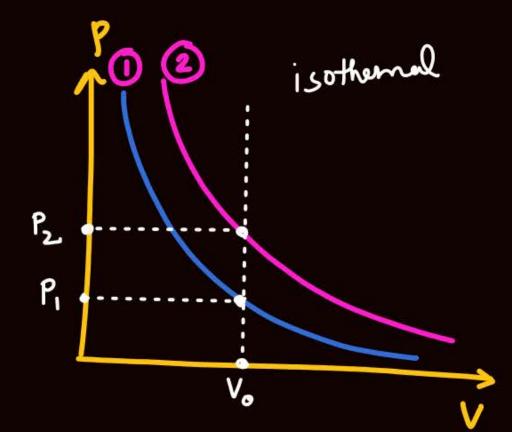




$$\frac{(Slope)_1}{(Slope)_2} = \frac{P_2}{P_1} = \frac{tan 45}{tan 3}$$



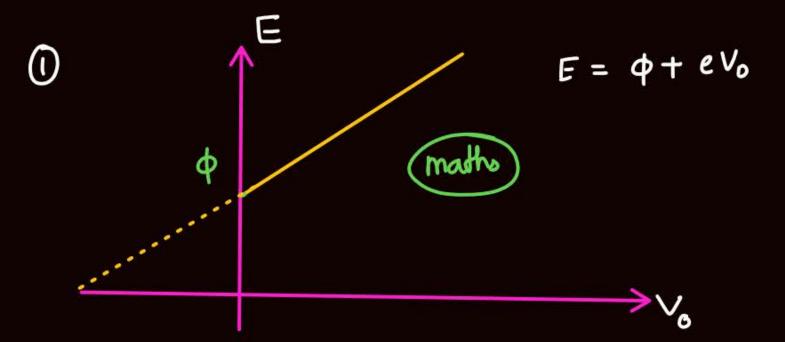
#

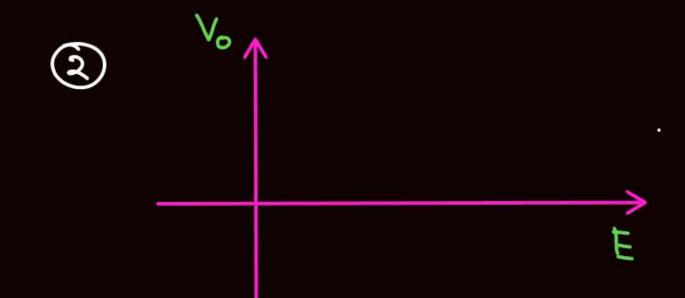


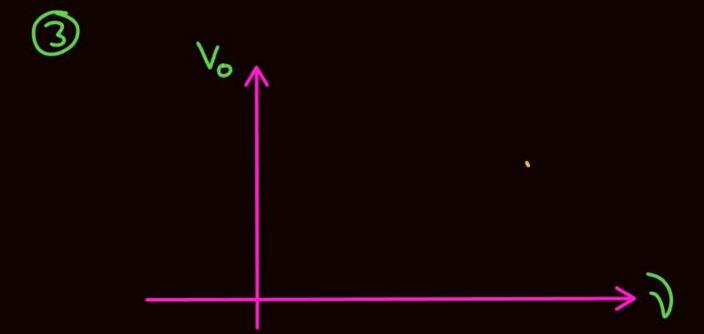
$$PV = nRT$$

•

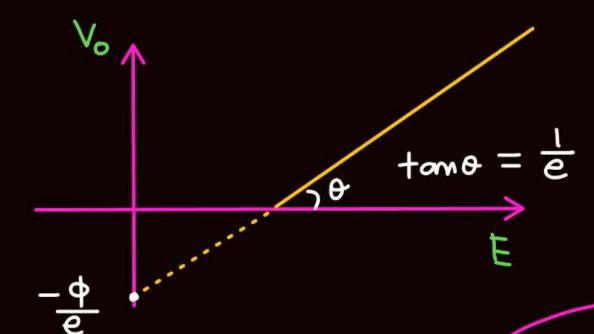
Q
$$E = \phi + (K \varepsilon)_{max}$$





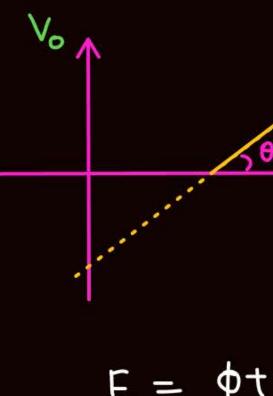






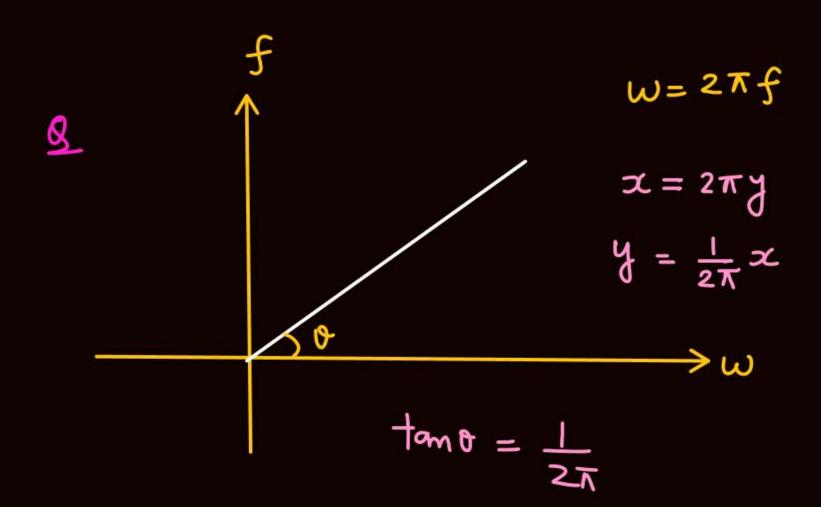
$$\beta = \frac{1}{6}x - \frac{1}{6}$$

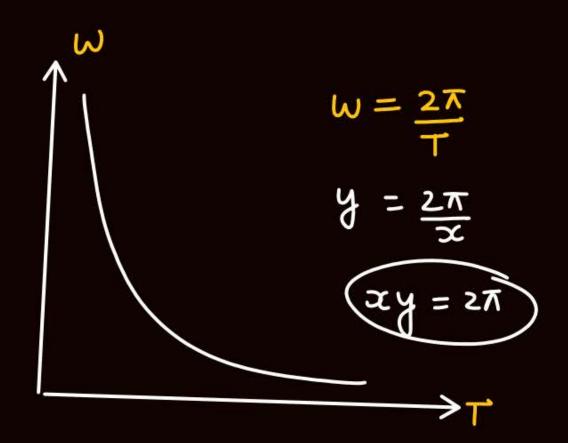
$$y = mx - c$$

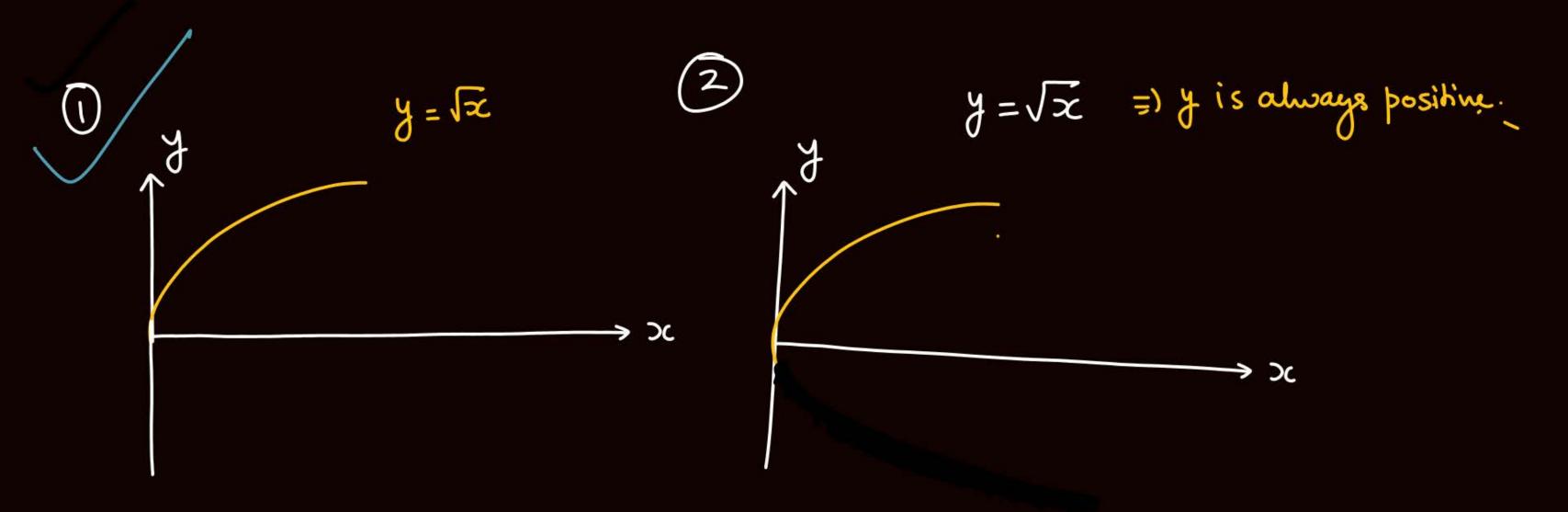


tomo = h

$$h \vartheta = \varphi + e V_0$$







(HIM)



$$y = \int x$$

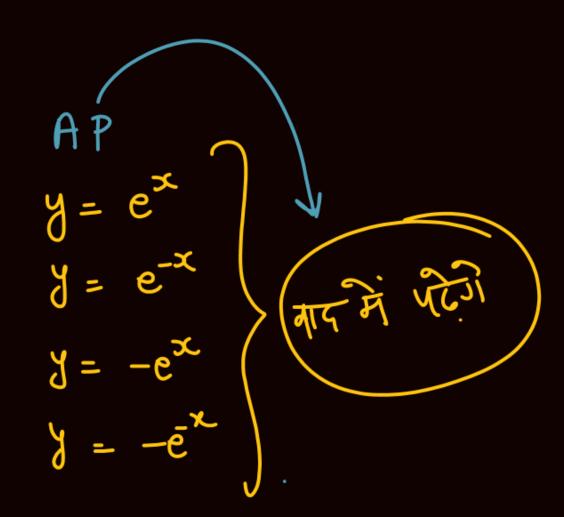
$$y = -\sqrt{x}$$

$$y = \sqrt{-3c}$$

$$y = -\sqrt{-x}$$

$$y = x^2$$

भंग नहीं हैं.



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Quadratic Eqn

$$y = ax^2 + bx + c$$
, $(a \neq 0)$

$$-ax_5+px+c=0$$

$$\frac{3}{4ac} = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

$$x_2 = -b - \sqrt{b^2 - 4ac}$$

Sum of the root =
$$x_1 + x_1 = -\frac{b}{a}$$

product of the root =
$$x_1 \cdot x_2 = \frac{c}{a}$$

$$9x^2 + 6x + 8 = 0$$

$$a = 1$$
, $b = 6$, $c = 8$

$$x_1 = \frac{-6 + \sqrt{6^2 - 4x_1x_8}}{2x_1} = \frac{-6 + 2}{2} = -2$$

$$X_2 = -6 - \sqrt{6^2 - 4X1X8}$$
 $= -6 - 2$
 $= -4$

Least priority

$$y = ax^2 + bx + c$$

- n b < 4ac ⇒ No real root
- (2) $b^2 = 4ac \Rightarrow x_1 = x_2 \Rightarrow \text{ only one root}$
- 3 b2>4ac => two real root

$$x_1 = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

$$x_2 = \frac{-b - \sqrt{b^2 - 4ac}}{2a}$$

$$\int_{0}^{2} x^{2} = 0$$

$$x^{2} + 6x + 8 = 0$$

$$x^{2} + 4x + 3x + 8 = 0$$

$$x(x + 4) + 2(x + 4) = 0$$

$$(x + 4) (x + 2) = 0$$

$$x^{2}-5x-x+5=0$$
 $x(x-5)-1(x-5)=0$
 $(x-5)(x-1)=0$
 $x=1, x=5$

$$a=1, b=-6, c=5$$

$$x_1 = -b + \sqrt{b^2 - 4ac} = -(-6) + \sqrt{36 - 4x_{1x_5}}$$

$$=\frac{6+4}{2}=5$$

$$x_{1} = -\frac{b+\sqrt{b^{2}-4ac}}{2a} = -\frac{(-6)-\sqrt{36-4x_{1x_{5}}}}{2x_{1}}$$

$$\frac{9}{4^2-3t+2=0}$$

$$t^{2}-2t-t+2=0$$
 $t(t-2)-1(t-2)=0$
 $(t-1)(t-2)=0$

$$\begin{array}{lll}
 & t^2 - 15t + 50 = 0 \\
 & t^2 - 10t - 5t + 50 = 0 \\
 & t(t - 10) - 5(t - 10) = 0 \\
 & (t - 5)(t - 10) = 0
\end{array}$$

$$\begin{array}{lll}
 & t^2 - 15t + 50 = 0 \\
 & t(t - 10) = 0
\end{array}$$

$$t^{2} - t - 6 = 0$$

$$t^{2} - 3t + 2t - 6 = 0$$

$$t(t - 3) + 2(t - 3) = 0$$

$$(t + 2)(t - 3) = 0$$

$$t = -2, 3$$

t=0 Phys 240m

find the time when particle will hit the floor.

Neeche Downward (+ve)

Initial velocity = u = 40 (Neeche)

$$u = +40$$
 $a = +10$
 $S = +240$

Sol

$$u = +40$$

 $a = 10$ (Neeche)

$$240 = 40t + \frac{1}{2}xloxt^{2}$$
 $48 = 8t + t^{2}$

$$t^2 + 8t - 48 = 0$$

$$t^{2} + 12t - 4t - 48 = 0$$

$$t(t+12) - 4(t+12) = 0$$

$$(t-4)(t+12) = 0$$

maths ki jo cheeze

Bad me jaruvat padegi

Vo tumbe Main Fir St

Padhaunga/Revise karaunga

Usi wakt.



Home work

- DPP
- KPP will be given tommer sow.



THANKYOU