

Quiz Two

Math Question

$$\begin{aligned}
 &\rightarrow x^2 + px + q = 0 & W &= \int_{s_1}^{s_2} F(s) \cdot \cos \alpha \, ds & v &= \frac{ds}{dt} \\
 &\rightarrow x_{1/2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q} & \uparrow & \text{tanh } x = \frac{e^x - e^{-x}}{e^x + e^{-x}} & \theta &= \vec{I} \cdot \vec{N} \\
 &f_r = \frac{1}{2\pi} \cdot \frac{1}{\sqrt{LC}}; \omega = 2\pi f_r & u_c &= U(1 - e^{-t/RC}) & C + O_2 &\rightarrow CO_2 \\
 & & 4FeS_2 + 11O_2 &\rightarrow 2Fe_2O_3 + 8SO_4 \\
 &-\frac{d}{dt} \int_A \vec{B} \cdot d\vec{A} = \oint_L \vec{E}' \cdot d\vec{l} = - \int_A \left(\frac{\partial \vec{B}}{\partial t} + \text{rot}(\vec{B} \times \vec{v}) \right) \cdot d\vec{A} \quad ? x \neq y; z = x \\
 &HCl + H_2O \rightleftharpoons Cl^- + H_3O^+ \quad a^2 = b^2 + c^2 \rightarrow W_{rot} = \frac{1}{2} \cdot J \omega^2 \\
 &V = \frac{1}{6} \pi h (3e_1^2 + 3e_2^2 + L^2) \quad \rho_v = \int_0^{2\pi} \int_0^\pi \frac{r^2}{5\sigma_2} H_p H_p'' \sin \vartheta \, d\vartheta \, d\varphi
 \end{aligned}$$

Which two of the following numbers have a product that is between -1 and 0 ?

Indicate both of the numbers.

-10

2^{-4}