

Sample Test Questions

1. Simplify $\left(\frac{y^{10}}{125y^{-5}}\right)^{-2/3}$.

Answer

2. Find the equation of the line that contains the point $(-1, 3)$ and which is perpendicular to the line with the equation $y + 2x + 1 = 0$.

Answer

3. Solve for x : $\log_{10} x + \log_{10}(x + 21) = 2$.

Answer

4. Evaluate $\sin(15\pi/4)$.

Answer

5. Find the values of x over the interval $0^\circ \leq x \leq 720^\circ$ for which $\tan(x/2) = 1/\sqrt{3}$.

Answer