

Worksheet 5/7/2025

Give the correct names to the following surfaces:

(1) $x^2 + z^2 + 4y = 0$

(2) $-4x^2 + 25y^2 + z^2 = 100$

(3) $e^x = xe^y$

(4) $x^2 + \frac{y^2}{4} + \frac{z^2}{100} = 3$

(5) $x^2 - 2y + 2z^2 = 1$

(6) $x^2 - 2y - 2z^2 = -1$

(7) $yz = 5$

(8) $-4x^2 - y^2 + z^2 = 1$