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ACHA3000

Introduction to mathematics and science

② Solve the following linear equation for x

(i)

$7x - 1 = 5x + 4$

$7x - 5x = 1 + 4$ $\quad 2x = 5$ $\quad \frac{2}{5} = 2.5$

$\boxed{x = 2.5}$

(ii) $10(3x + 2) = 7(-2x - 1)$

$30x + 20 = -14x - 7$

$30x + 14x = -20 - 7$

$44x = -27$ $\quad \frac{-27}{44} = 0.6$

$\boxed{x = 0.6}$