

3 pm

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ACHA3000

Dale Smart
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1)

i) x^{11}

ii) $12x^6$

iii) $\frac{x^4 \times x^3 \times x^2}{x^9} = \frac{x^9}{x^9} = 1$

iv) 27^6

v) $\sqrt{x} \times \sqrt{x} = x^{1/2} \times x^{1/2} = 1$
or x

2. i) $15x - 2 = 12x + 9$

$15x - 12x = 9 + 2$

$3x = 11$

$x = \frac{11}{3} \quad x = 3.6$

ii) $3(7x - 1) = 6(x + 3)$

$21x - 3 = 6x + 18$

$21x - 6x = 18 + 3$

$15x = 21$

$x = \frac{21}{15}$

$x = 1.4$