

12:00

Kallum Mackay

2106948

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$$i) x^6 \times x^8 \times x^2 \times x = 96$$

$$x = 96 \quad x = 1$$

$$ii) (2x^2)^4 \times 3x^8$$

$$(2x^2)^4 = 4x \times 4 = 16x \quad 3 \times 3 \times 3 = 27x$$

$$16x \times 27x = 432x$$

$$iii) x^2 \times x^6 \times x^4 = x^{20} \div x^9$$

$$x^3 = x^9$$

$$= 6.6$$

$$x = 6.6$$

$$iiii) 2\sqrt{x} \times 3\sqrt{xx} = x^0$$

$$v) 1 = x$$

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$$i) x^2 + 9x + 14 = 0$$

$$x^2 + 9x = -14$$

ii)

$$1) x^2 - 7x + 10 = 0$$

$$iii) x^2 + 18x - 20 = 0$$

$$iiii) x^2 - 49 = 0$$

$$\sqrt{49} = 7$$

$$x = 7$$

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V $2x^2 - 3x - 20 = 0$

$2x \times 2 = 4x - 3x = 1x$

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