

$$1) x^6 \times x^8 \times x^2 \times x$$

$$ii) x^{17}$$

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

$$8x^8 \times 3x^3 = 24x^{11}$$

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

$$8x^8 \times 3x^3$$

$$8x^8 \times 3x^3 \times 2$$

$$24x^{11}$$

$$iii) \frac{x^2 \times x^{10} \times x}{x^3}$$

$$\Rightarrow \frac{x^{13}}{x^3} = x^{10}$$

$$iv) 2\sqrt{x} \times 3\sqrt{x}$$

$$v) \frac{x^1}{x^1} = x^0$$

Answers
Circled
in Red

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$$i) 7x + 1 = 5x + 4$$

$$-1 \downarrow$$

$$7x = 5x + 3$$

$$\begin{array}{r} \swarrow \\ -5x \end{array}$$

$$2x = 3$$

$$\frac{2x}{2} =$$

$$x = 1.5$$

ii

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

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

~~$$30x + 13 = -14x$$~~

~~$$\begin{array}{r} 30x \\ -14x \\ \hline \end{array}$$~~

~~$$16x + 13 = 0$$~~

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

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

$$16x+20 = -7$$

$$-20 = -20$$

$$16x = -27$$

$$x = \frac{-16}{27}$$

2iii)

$$\frac{3}{(2x+1)} = \frac{4}{(x-1)}$$

$$8x+4$$

$$-3x$$

$$3x-3$$

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$$5x+4$$

$$-4$$

$$5x =$$

$$-7$$

$$= -3$$

$$x = \frac{5}{7}$$

2)

$$\text{iv) } (x+2)^2 = (x+3)(x+5)$$

$$2x^2 + 4 = x^2 + x^5 + 3x + 15$$

$$2x = 2x^2 + x^5 + 3x + 11$$

$$2C = \frac{1}{2}$$

Not Able to do -

$$-3i \quad x^2 + 9x + 14 = 0$$

W : 2
A : 7

$$(x+9)(x+5) = 0$$

$$x+9=0 \quad x+5=0$$

$$(x+7) \quad (x+1)$$

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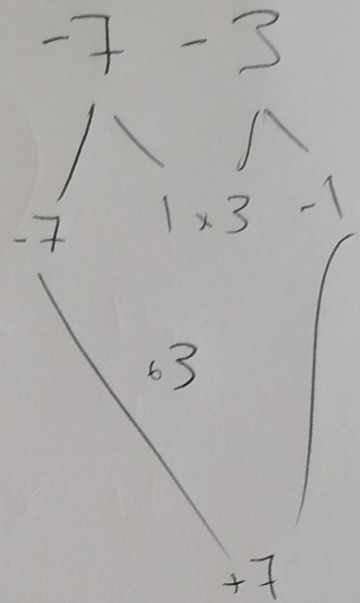
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Q3

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

~~$(x-3)(x-7)$~~

$(x \quad) (\quad)$



unable to do

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5 Sim Equation

$$6x + 5y = 35$$

$$7x - 4y = 31$$

Sub $-1x + 1y = 4$

$$1x \quad 1y = 4$$

$$x = 1 \quad y = 4$$

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Q6) Factorising

$$i) 10p^3q^2 - 5p^2q + 15p^4q$$

1 - Number

Can't Do.

7.

Can't Do Either

I'd like to Resit
the Exam in the
future.

Thank

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