

Maths Mock Test 27 Oct 2020 at 15:30

1

i) $x^2 + 8x + 15 = 0$

$$(x+3)(x+5) = 0$$

$$x^2 + 5x + 3x + 15 = 0$$

8x

$$x+3=0$$

$$x+5=0$$

$$x = -3$$

$$x = -5$$

iv) $x^2 - 6x + 8 = 0$

$$(x-2)(x-4)$$

$$x^2 - 4x - 2x + 8 = 0$$

-6x

ii) $x^2 - 22x + 25 = 0$

$$x^2 = 22x$$

$$x = 15$$

iii) $x^2 + 11x + 30 = 0$

$$(x+5)(x+6) = 0$$

$$x^2 + 6x + 5x + 30 = 0$$

11x

$$x+5=0$$

$$x+6=0$$

$$x = -5$$

$$x = -6$$

v) $2x^2 + 9x + 7 = 0$

$$(2x+7)(x+1)$$

$$2x^2 + 2x + 7x + 7 = 0$$

9x