

Ruben
Bhehla
6104693

Maths Exam - A class 3000

3 of 5

1/11/2021

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

$$(x+2)(x+7) = 0$$

$$\underline{x = -2} \quad \underline{x = -7}$$

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

$$(x-2)(x-5) = 0$$

$$x^2 - 5x - 2x + 10$$

$$x^2 - 7x + 10$$

$$\underline{\cancel{x-2}} \quad \underline{x+5}$$

$$x = +2$$

iii) $x^2 + 8x - 20 = 0$

$$(x+10)(x-2) = 0$$

$$\underline{x = -10} \quad \underline{\cancel{x+2}}$$

$$x = +2$$

iv) $x^2 - 49 = 0$

$$(x+7)(x-7) = 0$$

$$\underline{x = -7} \quad \underline{x = +7}$$