

(3)

Exam

3.

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

$$(x+7) \quad (x+2) \quad 7, 2$$

$$x = -7 \quad x = -2$$

$$ii \quad x^2 - 7x + 10 = 0$$

$$(x-5) \quad (x-2) \quad 5, 2$$

$$x = 5 \quad x = 2$$

$$iii \quad x^2 + 8x - 20 = 0$$

$$(x+10) \quad (x-2)$$

$$x = -10 \quad x = 2$$

$$iv \quad x^2 - 49 = 0 \quad \sqrt{49} = 7$$

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

$$x = -7 \quad x = +7$$

$$v \quad 2x^2 - 3x - 2 = 0$$

$$(2x+1) \quad (x-2) \quad 2, 1$$

$$2x+1=0 \quad 2x-2=0$$

$$x-1=0$$

$$x+1=0$$

$$x = -\frac{1}{2}$$