

3 b $x^2 - 7x + 10 = 0$

$$x^2 - 2x - 5x + 10 = 0$$

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

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

$$x-2=0$$

$$x-5=0$$

$$x=2$$

$$x=5$$

c $x^2 + 8x - 20 = 0$

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

$$x = -10$$

$$x = 2$$

d $x^2 - 49 = 0$

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

$$x = 7$$

$$x = -7$$

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

$$(2x+5)(x-4) = 0$$

$$2x+5=0$$

$$x-4=0$$

$$x = -\frac{5}{2} = -2.5$$

$$x = 4$$