

$$x^2 - 11x + 28 = 0 \Rightarrow (x - 4)(x - 7) = 0 \rightarrow x_1 = 4, x_2 = 7 \quad \text{الف}$$

$$x^2 + 7x - 28 = 0 = (x + 7)(x - 4) = 0 \rightarrow x_1 = -7, x_2 = 4 \quad \text{ب}$$

$$dx^2 - 12x + 7 = 0 \rightarrow x^2 - 12x + 7 = 0 = (x - 5)(x - 7) = 0 \quad \text{الف}$$

$$\Rightarrow x_1 = 5 \rightarrow \frac{5}{8} = 1$$

$$x_2 = 7 \rightarrow \frac{7}{8} = 1.4$$

$$wx^2 - 10x + 7 = 0 \rightarrow x^2 - 10x + 7 = 0 = (x - 7)(x - 3) = 0 \quad \text{ب}$$

$$x_1 = 7 \rightarrow \frac{7}{8}, x_2 = 3 \rightarrow \frac{3}{8} = 1$$

$$\text{الف) } 2x^2 - 8x + 3 = 0 \quad x_1 = 1, x_2 = \frac{c}{a} = \frac{3}{2} \Rightarrow \text{جميع ضارب في 2}$$

$$\text{ب) } 2x^2 + 8x + 3 = 0 \rightarrow d + c = b \quad \frac{3}{2} = 1.5$$

$$\text{ج) } 2x^2 - 8x + 1 = 0 \quad x_1 = -1, x_2 = -\frac{c}{a} = -\frac{1}{2} = -0.5$$

$$x_1 = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{8 \pm \sqrt{64 - 8}}{4} = \frac{8 \pm \sqrt{56}}{4} = \frac{8 \pm 2\sqrt{14}}{4} = \frac{4 \pm \sqrt{14}}{2}$$

$$x_2 = \frac{1}{2} - \frac{\sqrt{14}}{2} \quad \Delta < 0$$

$$s^2 - 12s = \left(\frac{-b}{a}\right)^2 - 4\left(\frac{c}{a}\right) = 9 - (-4) = 13 \quad \text{الف}$$

$$s^2 - 12s + 13 = 0$$

$$s^2 - 12s + 13 = \left(\frac{-b}{a}\right)^2 - 4\left(\frac{c}{a}\right) = \frac{(-b)^2}{a^2} - 4\left(\frac{-bc}{a^2}\right) = \frac{b^2}{a^2} - \frac{4(-bc)}{a^2} = \frac{b^2 + 4bc}{a^2}$$

$$(v) + (9) = \frac{v \times 5}{1 \times 1} + \frac{9 \times v}{1 \times 1} = \frac{v \times 5}{1 \times 1} + \frac{9 \times v}{1} = 14 + 14 = 28 \quad \text{الف}$$

$$(9) - (v) = \frac{9 \times 9 \times v \times v}{1 \times 1 \times 1 \times 1} - \frac{v \times v}{1 \times 1} = \frac{81v^2}{1} - \frac{v^2}{1} = 80v^2 = 80 \times 1 = 80$$