

الف) $x^2 - 6x + 8 = 0 \Rightarrow (x-2)(x-4) = 0 \Rightarrow x = 2, 4$

ب) $x^2 + 8x + 7 = 0 \Rightarrow (x+1)(x+7) = 0 \Rightarrow x = -1, -7$

الف) $x^2 - 8x + 15 = 0 \Rightarrow (x-3)(x-5) = 0 \Rightarrow x = 3, 5$

ب) $x^2 - 8x - 15 = 0 \Rightarrow (x+1)(x-9) = 0 \Rightarrow x = -1, 9$

الف) $x^2 - 3x - 8 = 0 \Rightarrow x = \frac{3 \pm \sqrt{9+32}}{2} = \frac{3 \pm \sqrt{41}}{2}$

ب) $2x^2 - 9x + \frac{1}{2} = 0 \Rightarrow x = \frac{9 \pm \sqrt{81-2}}{4} = \frac{9 \pm \sqrt{79}}{4}$

الف) $x^2 - 3x + 2 = 0 \Rightarrow x = 1, 2$

ب) $4x^2 + x - 5 = 0 \Rightarrow x = -1, \frac{5}{4}$

الف) $8x^2 - 17x + 6 = 0 \Rightarrow (x-2)(x-3/4) = 0 \Rightarrow x = 2, 3/4$

ب) $3x^2 - 10x + 7 = 0 \Rightarrow (x-1)(x-7/3) = 0 \Rightarrow x = 1, 7/3$

