

1. Answer: 2

2. Answer: 1

Number of zeros is the number of times the graph intersects y-axis

3. Answer: 1

$$\alpha + \beta = -1 \quad \alpha\beta = -1$$

4. Answer: 0

5. Answer: $-\frac{3}{7}$

6. Answer: $\frac{4}{3}$

$$9(k-1) - 3k + 1 = 0$$

$$6k - 8 = 0$$

7. Answer: $x^2 - x - 2$

$$(x+1)(x-2)$$

8. Answer: 4

9. Answer: 6 units

10. Answer: $x^2 + 5x + 6$

11. Answer: 2

The number of roots of the polynomial is equal to degree of polynomial

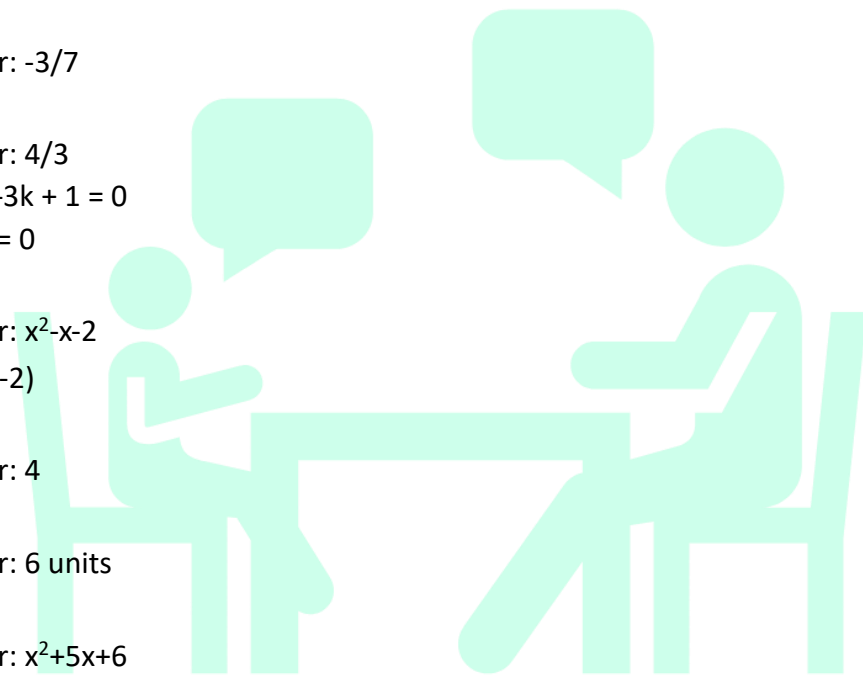
12. Answer: -10

$$4 + 3 \cdot 2 + k = 0$$

13. Answer: $-m, m+3$

14. Answer: $3x^2 - 3\sqrt{2}x + 1$

15. Answer: c and a have same signs



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