7.3 (Part 1) Solving quadratic equations by factoring

Solve the following quadratic equations by factoring. Verify the solution as well.

Q.1.
$$x^2 + 7x + 10 = 0$$

Q.2.
$$x^2 + 12x + 27 = 0$$

Q.3.
$$x^2 + 10x + 24 = 0$$

Q.4.
$$x^2 + 4x - 21 = 0$$

Q.5.
$$x^2 - 7x + 10 = 0$$

Q.6.
$$x^2 + 3x - 10 = 0$$

Q.7.
$$x^2 - 3x - 4 = 0$$