RELATIONSHIPS 1.3

PRACTICE ASSESSMENT

PART A

10. Solve the equation $(x - 3)(x + 7) = 0$

11. Solve the equation $x^2 + 2x - 7 = 0$ using the quadratic formula.

12. Determine the nature of the roots of the equation $3x^2 + 2x - 1 = 0$ using the discriminant.

PART B

10. Solve the equation $(x - 10)(x + 5) = 0$

11. Solve the equation $x^2 - 3x - 2 = 0$ using the quadratic formula.

12. Determine the nature of the roots of the equation $4x^2 + 3x + 5 = 0$ using the discriminant.

PART C

10. Solve the equation $(x - 7)(x + 1) = 0$

11. Solve the equation $x^2 + 5x - 7 = 0$ using the quadratic formula.

12. Determine the nature of the roots of the equation $9x^2 + 6x + 1 = 0$ using the discriminant.