Exercise 1

Determine whether the following algebraic equation can be written as a linear function.
$2x + 3y = 7$

Solution

This equation can be written in the form, $y = mx + b$, so it is a linear function.

$$2x + 3y = 7$$

$$3y = -2x + 7$$

$$y = -\frac{2}{3}x + \frac{7}{3}$$