



5.2

- 2. a) Which relations in question 1 are functions? Justify your answers.
 - b) State the domain and range of each function.
- Think about two sets of numbers and an association.
 - i) Create a relation that is not a function.
 - ii) Create a function.
 - b) Represent each relation in part a in different ways.
- 4. The temperature, T degrees Celsius, of Earth's interior is a function of the distance, d kilometres, below the surface: T(d) = 10d + 20
 a) Identify the dependent and independent variables.
 b) Write this function as an equation in two variables.
 c) Determine the value of T(5). Describe what this number represents.
 d) Determine the value of d when T(d) = 50. Describe what this number represents.

T(d) = 50. Describe what this number represents. T(5) = 10(5) + 20 = 50 + 20 = 10d + 20 = 10d + 20 = 10d + 20

