NOTES 5.5 Graphs of Relations & Functions

1. Which of these graphs represents a function? Justify your answer.

**a)**  **b)** 

2. Determine the domain and range of the graph of each function.

**a) b)** 

3. This graph shows the approximate height of the tide, *h* metres, as a function of time, *t*, at Port Clements, Haida Gwaii on June 17, 2009.


**a)** Identify the dependent variable and the independent variable. Justify your choices.

**b)** Why are the points on the graph connected? Explain.

**c)** Determine the domain and range of the graph.

**4**. Here is a graph of the function *g*(*x*) = 4*x* – 3.

**a)** Determine the range value when the domain value is 3.

**b)** Determine the domain value when the range value is –7.