

# Functions

Set 1-8a:

1) *Is  $\{(0, 1), (2, -1), (0, 3)\}$  a function?*

2)  *$f(x) = -3x$ . What is  $f(2)$ ?*

3)  *$g(x) = 2x - 3x^2$ . What is  $f(3)$ ?*

4) *Barbara has a \$30 coffee gift card. Each cup of coffee costs \$2.50. The amount on the card is represented by  $A(c) = 30 - 2.5c$ . If Barbara buys 3 cups of coffee how much is left on the card?*

5) *In the above example, if Barbara has \$5 left on the card, how many cups has she already bought?*