

# Answer Key

## Unit Tests and Performance Tasks

### UNIT 1 Characteristics of Functions

#### Unit 1 Test: A

1. C
2. A No B Yes C Yes D No
3. a.  $25 + 15x \geq 100$   
b. C
4.  $f^{-1}(x) = \frac{x-1}{2}$
5. Domain:  $(-\infty, +\infty)$ ; Range:  $(-\infty, +\infty)$
6. B
7. A Yes B Yes C No D No
8. A No B Yes C No D Yes
9. B
10. A True B False C True D False
11. C
12.  $\{y \mid y \geq 2\}$

13.

x	$2 x+1  = y$	y
-2	$2 -2+1  = y$	2
0	$2 0+1  = y$	2
2	$2 2+1  = y$	6

