

Unit 4: Practice Test, page 204

1. a)

Figure Number, $f$	Number of Square Tiles, $s$
1	5
2	10
3	15
4	20

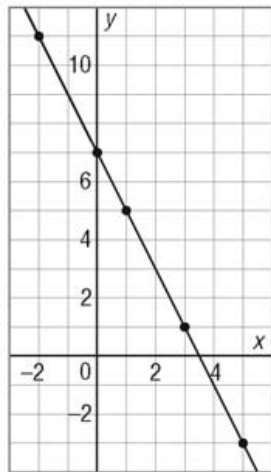
b)  $5f$                       c)  $s = 5f$

e) Figure 45

2. a) Tables may vary. For example:

$x$	$y$
-2	11
0	7
1	5
3	1
5	-3

b)



c) In the table, as the  $x$  increases by 2,  $y$  decreases by 4. On the graph, to go from one point to the next, move 2 units right and 4 units down.

3. a) Vertical                      b) Horizontal

c) Vertical

4. a) i                                      b) ii

c) iv                                      d) iii

5. a) About 8 days                      b) About 450 L

c) About 350 L

d) The rate of water usage remains constant and no water was added to the cistern.