Practice worksheet | Coordinates, patterns and graphs

Tables and rules

Name: _____ Date: _____

6 questions | 15 marks

1. For $y = 2n + 5$, find the outputs for $n = 0, 1, 2$. [2 marks]

2. For $y = 6n$, find the output at $n = 4$. [2 marks]

3. Complete the missing output using the constant-addition pattern. [2 marks]

Input-output pairs

Input	Output
0	2
1	6
2	10
3	?

4. Give a simple rule for the supplied pairs and check it at $n = 2$. [3 marks]

Pairs

n	y
0	2
1	6
2	10
3	14

5. For $y = 3n + 1$, find the input giving output 22. [3 marks]

6. Does $y = 2n + 4$ match every pair $(1, 6), (2, 8), (3, 11)$? Explain. [3 marks]