Practice worksheet | Algebraic expressions and formulas

Varying inputs in a digital formula table

Name: _____ Date: _____

6 questions | 12 marks

1. Use $y = 2x + 1$ at $x = 0$, 1, 2 and 3. List the outputs. [2 marks]

2. Use $P = 4s$ for square side lengths 2, 5 and 8 cm. [2 marks]

3. Cell A2 holds n. Write a spreadsheet formula for $5n + 6$. [1 mark]

4. For $C = 3n + 5$, explain the cost change when n rises from 4 to 5. [2 marks]

5. Use $A = n^2$ at $n = 1$, 2, 3 and 4. Are consecutive outputs equally spaced? [2 marks]

6. A student uses =2*A2+4 for $2(n + 4)$. At input 3, find the student's answer and the correct answer, then correct the formula. [3 marks]