WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 17

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 If $y = 2x + 7$, find y when $x = 5$. (2)

2 If $y = 5x - 3$, find y when $x = 4$. (2)

3 If $y = 5x - 3$, find x when $y = 32$. (2)

4 If $y = 4x + 1$, find x when $y = 21$. (2)

5 Rule: $\times 3$ then $+4$. Find the output for input 6. (2)

6 Find the rule: $1 \to 4$, $2 \to 7$, $3 \to 10$. **(2)**

7 Find the rule: $1 \to 2$, $2 \to 4$, $3 \to 6$. **(1)**

8 If $y = x^2 - 2$, find y when $x = 6$. **(2)**

9 Write "multiply by 5 then subtract 1" as a formula. **(2)**

TOTAL: 17 marks

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