Year 8 Expressions and Equations – Foundation

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Year 8 · Maths · Expressions, Formulae and Equations · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Algebra skills

1. Is $2(y - 1) = 10$ an expression, a formula or an equation? Explain.

Answer _____

2. Is $C = 2\pi r$ an expression, a formula or an equation? Explain.

Answer _____

3. Work out the value of $2a^2 - b^3$ when $a = 3$ and $b = -1$.

Answer _____

4. Work out the value of $2a^2 - b^3$ when $a = 5$ and $b = 2$.

Answer _____

5. Simplify $6a^6 \div 3a^3$. Answer _____

6. Simplify $4p^3 \times 6p^3$. Answer _____

7. Expand $4y(y^2 - 7)$. Answer _____

8. Expand $5y^2(2y - 5)$. Answer _____

9. Factorise $32x - 36$ completely. Answer _____

10. Factorise $48p - 18$ completely. Answer _____