Year 9 Equations and Inequalities – Foundation

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Year 9 · Maths · Equations, Formulae and Inequalities · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Equation skills

1. Make n the subject of $k = m/n^2$. All the letters stand for positive numbers.

Answer _____

2. Make h the subject of $V = 4h^3$.

Answer _____

3. Solve $(5x - 8)/3 = (3x - 5)/2$.

Answer _____

4. Solve $(4x + 8)/5 = (x + 5)/2$.

Answer _____

5. Solve $63/(x + 3) = 7$.

Answer _____

6. Solve the simultaneous equations $5x + y = -3$ and $3x - y = 3$.

Answer _____

7. Solve the simultaneous equations $3x + 3y = -6$ and $4x - y = -3$.

Answer _____

8. Solve the inequality $5x + 4 > x + 4$.

Answer _____

9. Write down the inequality in t shown on the number line.

Answer _____



10. A cuboid has a square base with sides of b cm and a height of 12 cm. Write a formula for its volume V cm^3.

Answer _____