1. Simplify $\sqrt{90} - \sqrt{27} + 2\sqrt{3}$

2. Find the equation of the straight line through the points (-2,7) and (1,-2).

3. Evaluate $27^{\frac{2}{3}}$.

4. A vat holding 300 litres of water starts leaking and loses 4% of its volume each hour for the next 3 hours. What volume of water remains in the tank after this time?

5. Remove brackets and simplify $(2x - 5)(x + 2)(x - 3)$.

6. Write as a single fraction: $\dfrac{4}{x-3} + \dfrac{7}{2x-5}$

7. Find the length PQ in the triangle below.