1) Simplify $2\sqrt{3} \times 4\sqrt{75}$



2) Find the nth term of $\frac{3}{7}$, $\frac{4}{9}$, $\frac{5}{11}$, $\frac{6}{13}$

3) Solve $\sin x = 0.5$ for $0^{\circ} \le x < 360^{\circ}$

4) Find the inverse function of f(x) = 3x + 2

5) Find the next term in the sequence 2, 6, 18, 54, ...