Each problem is worth 5 points. For full credit indicate clearly how you reached your answer.

1. Simplify the expression \((x^2y^3z)^3\) and write your answer with only positive exponents.

2. Solve the equation \(\frac{3(n - 2)}{5} + \frac{2n + 3}{6} = \frac{4n + 1}{9} + 2\)