A)_____

B)_____

C)_____

A)   Find the value of x if $\sqrt{1 + \dfrac{4}{9} + \dfrac{9}{16}} = 1 + \dfrac{2}{3} + \dfrac{x}{4}$

B)   Simplify $\left(1 + 2\sqrt{3}\right)^2 + \sqrt{\dfrac{4}{27}} - \left(\sqrt{3}\right)^3 + \dfrac{7}{3\sqrt{3}}$

C)   Simplify $\dfrac{3^{n+4} + 3 \cdot 3^{n+1}}{3^{n+6}}$ Express your answer as a simplified fraction.