Find x

Solve

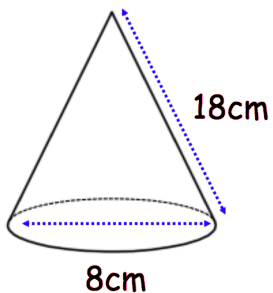
$$4x^2 + 8x + 3 = 0$$

The side length of a square table is 105 cm, correct to the nearest centimetre.

Find the smallest possible perimeter of the table.

Simplify

$$\frac{4x - 8}{9 - x^2} \times \frac{x^2 + x - 6}{x^2 - 2x}$$



Calculate the volume of this cone.