The radius ‘r’ is half the diameter.

\[ r = \frac{1}{2} d \]

The circumference \( C \) of a circle is given by:

\[ C = 2\pi r \]

The area \( A \) of a circle is given by:

\[ A = \pi r^2 \]
The radius ‘r’ is half the diameter.

\[ r = \frac{1}{2} d \]

\[ V = \pi r^2 h \]

\[ V = \pi \left( \frac{12}{2} \right)^2 \left( 20 \right) \]
The radius ‘r’ is half the diameter.

\[ r = \frac{1}{2} d \]

\[ V = \frac{4}{3} \pi r^3 \]