Volume - Cone

A) Find the volume of each cone. Round your answer to two decimal places. (use \( \pi = 3.14 \))

1) \[
\text{Volume} = \frac{1}{3} \pi r^2 h
\]

2) \[
\text{Volume} = \frac{1}{3} \pi r^2 h
\]

3) \[
\text{Volume} = \frac{1}{3} \pi r^2 h
\]

B) Find the volume of each cone from the given parameters. Round your answer to two decimal places. (use \( \pi = 3.14 \))

4) height = 18 mm ; radius = 12 mm

5) radius = 2 cm ; height = 5 cm

6) radius = 8 m ; height = 13 m

7) height = 17 mm ; radius = 21 mm

8) For Christmas, Lily makes a paper cone Santa hat. If the height and radius of the cone are 8 cm and 3 cm respectively, what is the volume of the hat? Round your answer to two decimal places. (use \( \pi = 3.14 \))

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\text{Volume} = \frac{1}{3} \pi r^2 h
\]
A) Find the volume of each cone. Round your answer to two decimal places. (use \( \pi = 3.14 \))

1) \( \text{Volume} = 84.78 \text{ mm}^3 \)

2) \( \text{Volume} = 564.15 \text{ cm}^3 \)

3) \( \text{Volume} = 4,710 \text{ m}^3 \)

B) Find the volume of each cone from the given parameters. Round your answer to two decimal places. (use \( \pi = 3.14 \))

4) height = 18 mm ; radius = 12 mm

\( \text{Volume} = 2,712.96 \text{ mm}^3 \)

5) radius = 2 cm ; height = 5 cm

\( \text{Volume} = 20.93 \text{ cm}^3 \)

6) radius = 8 m ; height = 13 m

\( \text{Volume} = 870.83 \text{ m}^3 \)

7) height = 17 mm ; radius = 21 mm

\( \text{Volume} = 7,846.86 \text{ mm}^3 \)

8) For Christmas, Lily makes a paper cone Santa hat. If the height and radius of the cone are 8 cm and 3 cm respectively, what is the volume of the hat? Round your answer to two decimal places. (use \( \pi = 3.14 \))

\( \text{Volume} = 75.36 \text{ cm}^3 \)