

MULTIPLE CHOICE QUESTIONS FOR PRACTICE

SUBJECT: MATHEMATICS UNIT: SURFACE AREA AND VOLUME

CLASS:10

STUDENT NAME: _____

SCHOOL NAME: _____

Four alternative /choices are given for each incomplete statement or a question.choose the correct answer.

1. The curved surface area of a solid cylinder of radius 'r' cm and height 'h' cm is
 A) $2\pi(r+h)$ sq cm B) $2\pi rh$ sq cm C) πrl sq cm D) πr^2 sq cm
2. The formula to find total surface area of a cylinder having height "h" and radius "r" is
 A. $2\pi(r+h)$ B. $2\pi rh$ C. πrl D. πr^2
3. The formula to find volume of cylinder having height "h" and radius "r"
 A) $2\pi(r+h)$ B) $2\pi rh$ C) $1/3 \pi r^2 h$ D) $\pi r^2 h$
- 4) The formula to find curved surface area of cone having slant height "l" and radius "r" is
 A) $\pi(r+h)$ B) $2\pi rh$ C) πrl D) $\pi(r+l)$
- 5) The formula to find total surface area of cone having slant height "l" and radius "r" is
 A) $\pi(r+h)$ B) $2\pi rh$ C) πrl D) $\pi(r+l)$
- 6) The formula to find volume of cone having height "h" and radius "r" is
 A) $4\pi r^2$ B) $2\pi rh$ C) $1/3 \pi r^2 h$ D) $\pi r^2 h$
- 7) The formula to find curved surface area of hemisphere having radius "r" is
 A) πr^2 B) $2\pi r^2$ C) $3\pi r^2$ D) $4\pi r^2$
- 8) The formula to find total surface area of hemisphere having radius "r" is
 A) πr^2 B) $2\pi r^2$ C) $3\pi r^2$ D) $4\pi r^2$
- 9) The formula to find volume of hemisphere having radius "r" is
 A) $3\pi r^2$ B) $4/3 \pi r^3$ C) $2/3 \pi r^3$ D) $\pi r^2 h$
- 10) The formula to find curved surface area of sphere having radius "r" is
 A) πr^2 B) $2\pi r^2$ C) $3\pi r^2$ D) $4\pi r^2$