

# Formulas

## Abbreviations

|                    |        |
|--------------------|--------|
| Volume             | $V$    |
| Lateral Area       | $L.A.$ |
| Total Surface Area | $S.A.$ |
| Area of Base       | $B$    |


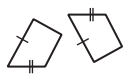
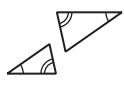
## Pi

$$\pi \approx 3.14$$

$$\pi \approx \frac{22}{7}$$

## Geometric Symbols

| Example                   | Meaning                      |
|---------------------------|------------------------------|
| $\angle A$                | angle $A$                    |
| $m\angle A$               | measure of angle $A$         |
| $\overline{AB}$           | line segment $AB$            |
| $AB$                      | measure of line segment $AB$ |
| $\overleftrightarrow{AB}$ | line $AB$                    |
| $\triangle ABC$           | triangle $ABC$               |
| $\square ABCD$            | rectangle $ABCD$             |
| $\square ABCD$            | parallelogram $ABCD$         |

| Example   | Meaning                                   |
|---|---|
| $\overrightarrow{AB}$   | vector $AB$                               |
|  | right angle                               |
| $\overline{AB} \parallel \overline{CD}$   | Line $AB$ is parallel to line $CD$ .      |
| $\overline{AB} \perp \overline{CD}$   | Line $AB$ is perpendicular to line $CD$ . |
| $\angle A \cong \angle B$   | Angle $A$ is congruent to angle $B$ .     |
| $\triangle A \sim \triangle B$  | Triangle $A$ is similar to triangle $B$ . |
|  | Similarly marked segments are congruent.  |
|  | Similarly marked angles are congruent.    |

## Geometric Figures

