# Symbols

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|---|---|
| $\|x\|$ | absolute value of $x$ (p. 12) |
| adj. $\measuredangle$s | adjacent angles (p. 19) |
| alt. int. $\measuredangle$s | alternate interior angles (p. 74) |
| $\angle$, $\measuredangle$s | angle(s) (pp. 17, 19) |
| $a$ | apothem (p. 441) |
| $\approx$ | is approximately equal to (p. 306) |
| $\overset{\frown}{BC}$ | arc with endpoints $B$ and $C$ (p. 339) |
| $A$ | area (p. 423) |
| $B$ | area of base (p. 476) |
| $b$ | length of base; $y$-intercept (p. 424; p. 548) |
| $\odot O$ | circle with center $O$ (p. 329) |
| $C$ | circumference (p. 446) |
| comp. $\measuredangle$s | complementary angles (p. 50) |
| $S \circ T$ | composite of $S$ and $T$ (p. 599) |
| $\cong$ | congruent, is congruent to (p. 13) |
| $\leftrightarrow$ | corresponds to (p. 117) |
| corr. $\measuredangle$s | corresponding angles (p. 74) |
| cos | cosine (p. 312) |
| $^\circ$ | degrees (p. 17) |
| diag. | diagonal (p. 187) |
| $d$ | diameter; distance; length of diagonal (p. 446; p. 524; p. 430) |
| $D_{O,k}$ | dilation with center $O$ and scale factor $k$ (p. 592) |
| $e$ | edge length (p. 478) |
| $=$ | equal(s); equality (pp. 13, 37) |
| ext. $\angle$ | exterior angle (p. 103) |
| $>$, $\geq$ | greater than; greater than or equal to (p. 16) |
| $H_O$ | half turn about point $O$ (p. 589) |
| $h$ | height; length of altitude (p. 424; p. 435) |
| hyp. | hypotenuse (p. 141) |
| $T^{-1}$ | inverse of transformation $T$ (p. 605) |
| $I$ | identity transformation (p. 605) |
| int. $\angle$ | interior angle (p. 103) |
| L.A. | lateral area (p. 476) |
| $JL$ | length of $\overline{JL}$, distance between points $J$ and $L$ (p. 11) |
| $<$, $\leq$ | less than; less than or equal to (p. 16) |
| $\overleftrightarrow{AB}$ | line containing points $A$ and $B$ (p. 5) |
| $S:A \rightarrow A'$ | $S$ maps point $A$ to point $A'$. (p. 571) |
| $m\angle A$ | measure of $\angle A$ (p. 17) |
| $\ncong$ | not congruent (p. 215) |
| $\neq$ | not equal (p. 37) |
| $\ngtr$ | not greater than (p. 220) |
| $\nparallel$ | not parallel (p. 216) |
| opp. $\measuredangle$s | opposite angles (p. 187) |
| $(x, y)$ | ordered pair (p. 113) |
| $\parallel$ | parallel, is parallel to (p. 73) |
| $\square$ | parallelogram (p. 167) |
| $p$ | perimeter (p. 426) |
| $\perp$ | perpendicular, is perpendicular to (p. 56) |
| $\pi$ | pi (p. 446) |
| $n$-gon | polygon with $n$ sides (p. 101) |
| quad. | quadrilateral (p. 168) |
| $r$ | radius (p. 446) |
| $\frac{a}{b}$, $a:b$ | ratio of $a$ to $b$ (pp. 241, 242) |
| $\overrightarrow{AB}$ | ray with endpoint $A$, passing through point $B$ (p. 11) |
| $R_j$ | reflection in line $j$ (p. 577) |
| rt. $\angle$ | right angle (p. 19) |
| rt. $\triangle$ | right triangle (p. 290) |
| $\mathcal{R}_{O,90}$ | rotation about point $O$ through 90° (p. 588) |
| s-s. int. $\measuredangle$s | same-side interior angles (p. 74) |
| $\overline{AB}$ | segment with endpoints $A$ and $B$ (p. 11) |
| $s$ | length of a side of a regular polygon (p. 423) |
| $\sim$ | similar, is similar to (p. 249) |
| sin | sine (p. 312) |
| $l$ | slant height (p. 482) |
| $m$ | slope (p. 529) |
| $\sqrt{x}$ | positive square root of $x$ (p. 280) |
| supp. $\measuredangle$s | supplementary angles (p. 50) |
| T.A. | total area (p. 476) |
| tan | tangent (p. 305) |
| trap. | trapezoid (p. 198) |
| $\triangle$, $\triangle$s | triangle(s) (pp. 93, 118) |
| $\overrightarrow{AB}$ | vector from $A$ to $B$ (p. 539) |
| vert. $\measuredangle$s | vertical angles (p. 51) |
| $V$ | volume (p. 476) |