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Geometry Test #1

Covering Sections: 1-1, 1-3, 1-4, 1-5, 1-6, 1-7 and Solving Equations

You will be responsible for knowing the distance and midpoint (Section 1-3) formulas.

$$\text{Distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$$

$$\text{Midpoint} = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

Circumference

$C = 2\pi r$ or $C = \pi d$

pi, radius, diameter

Area

$A_{\circ} = \pi r^2$ (area of a circle)

$A_{\square} = lw$

length, width

Perimeter

$A_{\square} = 2l + 2w$

Angles

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acute ⇒ $< 90°$

obtuse ⇒ $> 90°$

right ⇒ $= 90°$

* vertical
* adjacent
* linear pair
* perpendicular

complementary ⇒ sum to 90°

supplementary ⇒ sum to 180°

bisector = splits the angle or segment into two congruent parts.