
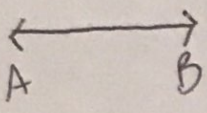
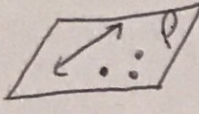

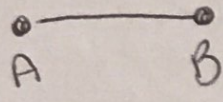
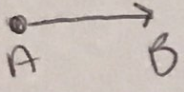
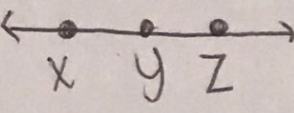
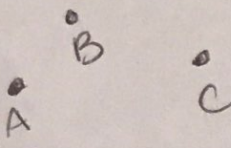
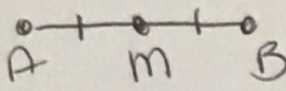
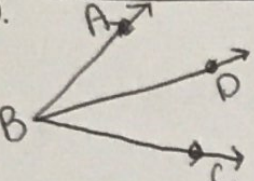
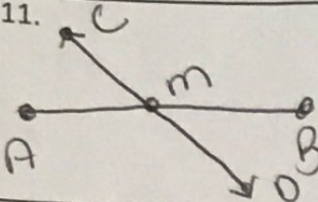
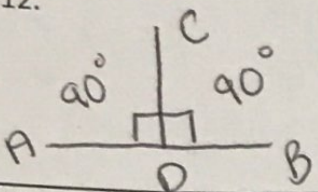
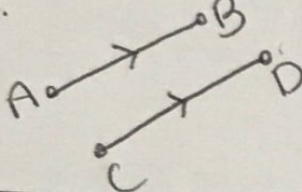
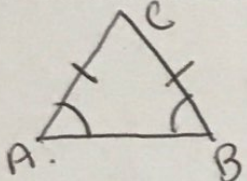
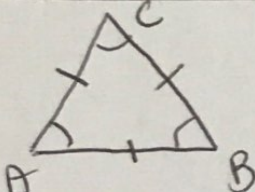
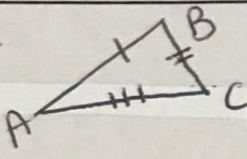


AIM: WHAT ARE OUR BASIC GEOMETRIC TERMS?

PICTURE	NOTATION	WORD	DEFINITION
1. 	$\cdot$ P	Point	Place or position in space without length, width, or thickness (size) and is represented by a capital letter.
2. 	$\longleftrightarrow$ AB	Line	A set of points with no dimension, infinitely long and infinitely thin.
3. 	Plane P	Plane	A set of points that form a flat surface extending indefinitely in all directions.
4. 	circle A	circle	A set of all points that are of equal distance (radius) from a center point.
5. 	$\overline{AB}$	Line segment	The set of all points in between and including the two endpoints
6. 	$\overrightarrow{AB}$	Ray	Part of a line that begins with an endpoint and extends in one direction.
7. 	$\overleftrightarrow{XYZ}$	collinear	A set of points that are contained on the same line.
8. 		non-collinear	A set of points that are <b>NOT</b> contained on the same line.

9.		$\overline{AM} \cong \overline{MB}$	MIDPOINT	A <b>point</b> which divides a segment into two congruent segments.
10.		$\angle ABD \cong \angle CBD$	Angle Bisector	A <b>ray</b> that divides angle into two congruent angles.
11.		$\overline{AM} \cong \overline{MB}$ $m = \text{midpoint}$	BISector	A <b>line or segment</b> that divides a segment into two congruent segments.
12.		$\overline{AB} \perp \overline{CD}$	Perpendicular Lines	Lines which intersect to form <b>right angles</b> .
13.		$\overline{AB} \parallel \overline{CD}$	Parallel Lines	Lines which <b>do not intersect</b>
14.		$\overline{AC} \cong \overline{CB}$ $\angle CAB \cong \angle CBA$	ISOSCELES TRIANGLE	A triangle with <b>two</b> equal sides and <b>two</b> equal base angles.
15.		$\overline{AB} \cong \overline{BC} \cong \overline{CA}$ $\angle A \cong \angle B \cong \angle C$	EQUILATERAL TRIANGLE	A triangle with <b>all</b> equal sides and all angles measure 60 degrees.
16.		$\overline{AB} \neq \overline{BC} \neq \overline{CA}$ $\angle A \neq \angle B \neq \angle C$	scalene TRIANGLE	A triangle with <b>no</b> equal sides or $\angle$ 's