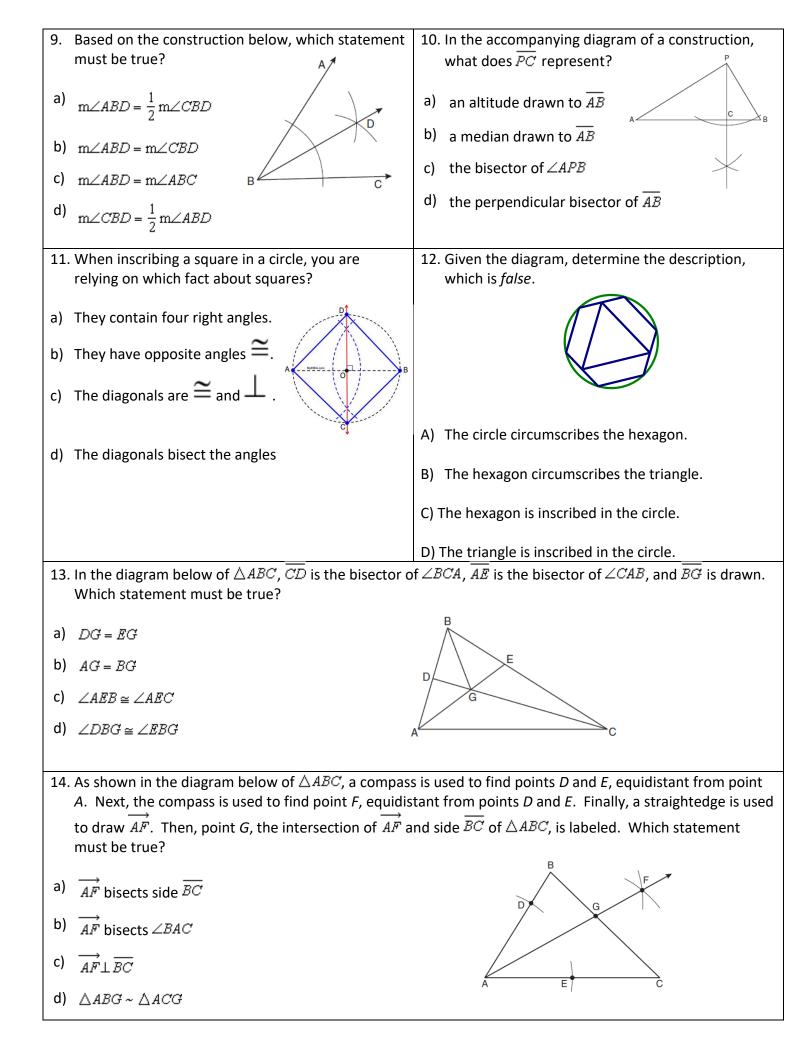
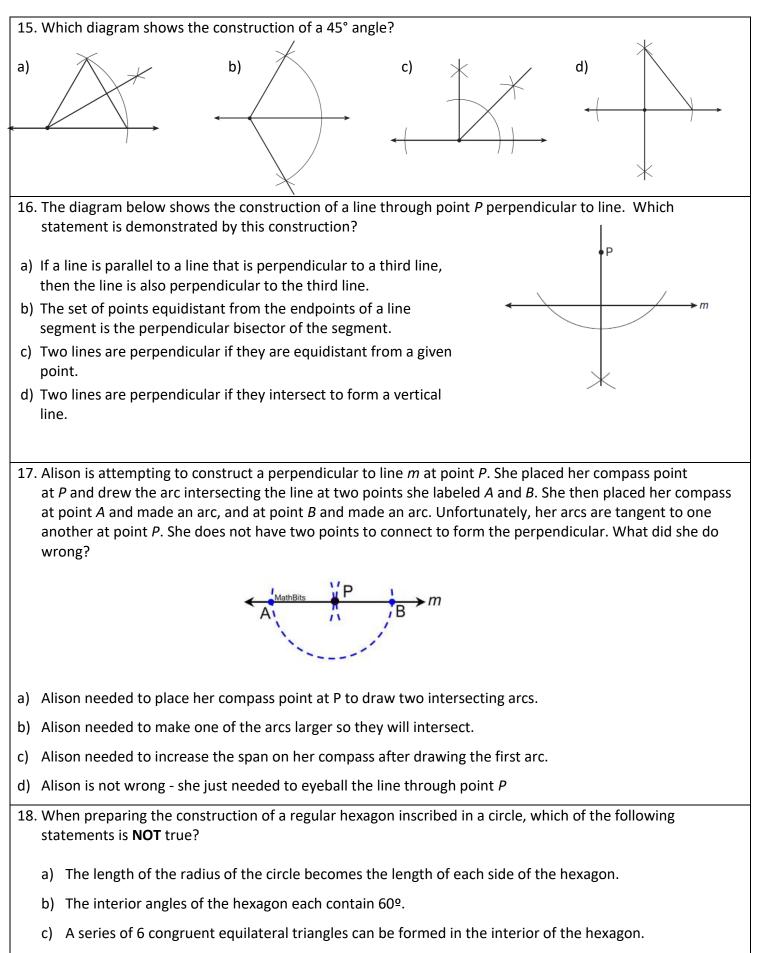
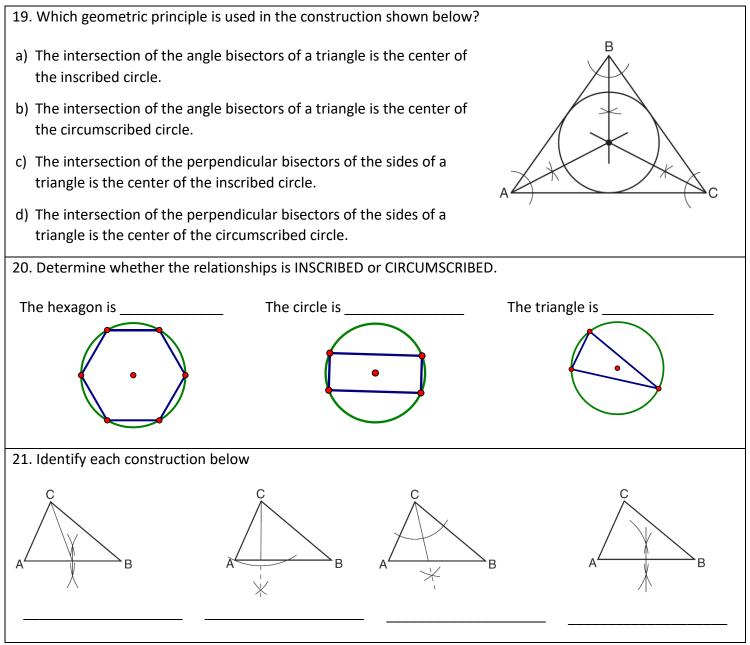
Name:	Date:
UNIT 1A	REVIEW
 When constructing a line, through a point, parallel to a given line, you will be A) Copying an angle. B) Copying a segment. 	2. The task of constructing a perpendicular to a given line at a point on the line is based upon which other construction?A) The bisector of a segment.
C) Bisecting a segment.	B) A perpendicular from a point off the line.
D) Constructing a perpendicular.	C) The copy of a segment.
	D) The copy of an angle.
3. $\rightarrow PR$ is represented by which sketch? a. $P = Q = R$ b. $R = Q = P$	c. R Q P Q R P Q R
4. Segment \overline{CD} is the perpendicular bisector of \overline{AB} at E . Which pair of segments does <i>not</i> have to be equal?	
(a) \overline{AB} , \overline{BD} (b) \overline{AE} , \overline{BE} (c)) \overline{AC} , \overline{BC} (d) \overline{DE} , \overline{CE}	
 5. A teacher finds a paper on the ground in the classroom. When she looks at it carefully she realizes it is from her geometry class because it has a construction on it. Which of the following constructions is NOT FOUND directly from this student's work? A) The midpoint of AB B) The perpendicular bisector of AB C) A perpendicular line to AB D) The angle bisector of ∠CAB 	6. In the construction shown below, \overline{CD} is drawn. In $\triangle ABC$, \overline{CD} is the a) perpendicular bisector of side \overline{A} b) median to side \overline{AB} c) altitude to side \overline{AB} d) bisector of $\angle ACB$
7. Which construction is represented by these construction marks? A) Copying $\angle ABC$ B) The perpendicular bisector of \overline{BC} C) The angle bisector of $\angle ABC$ D) A perpendicular line \overline{AC}	8. The diagram below shows the construction of an equilateral triangle. Which statement justifies this construction? a) $\angle A + \angle B + \angle C = 180$ b) $m\angle A = m\angle B = m\angle C$ c) $AB = AC = BC$ d) $AB + BC > AC$



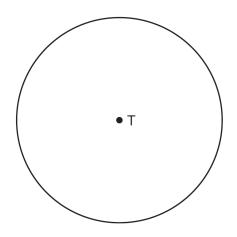


d) The perimeter of the hexagon is equal in length to the length of three diameters of the circle.

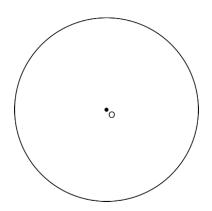


CONSTRUCTION PRACTICE!

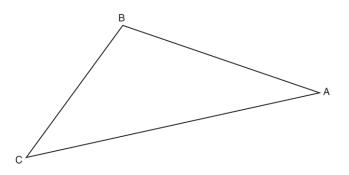
1. Construct an equilateral triangle inscribed in circle *T* shown below. [Leave all construction marks.]



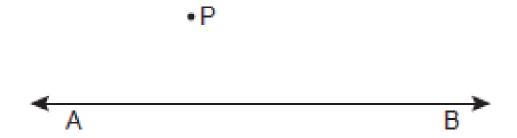
2. Using a compass and straightedge, construct a regular hexagon inscribed in circle *O*. [Leave all construction marks.]



3. Using a compass and straightedge, construct the bisector of $\angle CBA$. [Leave all construction marks.]



4. Construct the line that is parallel to line \overline{AB} and passes through point P.

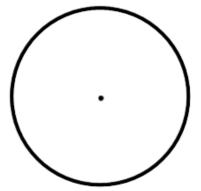


 Using a compass and straightedge, construct a line perpendicular to *m* through point *P*. [Leave all construction marks.]

6. Using a compass and straightedge, construct a line perpendicular to \overline{AB} through point *P*. [Leave all construction marks.]

7. Construct a *retangle* given the segment below.

8. Construct a *square* inscribed in a circle



Ā

Ā

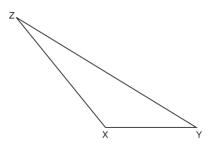
P

≻ m

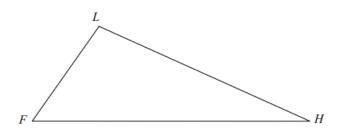
В

В

9. Triangle XYZ is shown below. Using a compass and straightedge, on the line below, construct and label $\triangle ABC$, such that $\triangle ABC \cong \triangle XYZ$. [Leave all construction marks.]



10. Using a compass and straightedge, construct the <u>altitude</u> to FH. Label it A. [Leave all construction marks.]



11. Using a compass and straightedge, construct the median to FH. Label it M. [Leave all construction marks.]

