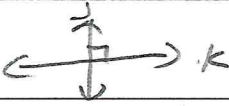
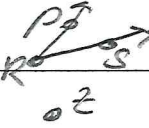


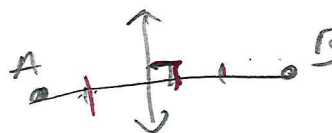
Unit 1 – Essential Geometry

1. For each of the geometric statements below, write in words what the statement is representing and then draw a picture of the geometric statement.

Geometric Statement	What is this saying?	Draw a picture
$\overrightarrow{PQ}$	Ray starting in point P and passing point Q	
$\overleftrightarrow{AB}$	line passing through points A and B	
$l \parallel m$	a line l parallel to line m	
$j \perp k$	a line j perpendicular to line k	
$\angle PRS$	angle PRS	
$\bullet Z$	point Z	
$\angle FHS \cong \angle DHS$	angle FHS congruent to the angle DHS	

2. Draw and use the proper markings to show the following:

a) The perpendicular bisector of a segment.



b) The angle bisector of an angle.



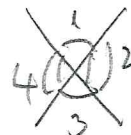
c) The midpoint of a segment.



3. Recall angle pairs. Answer each question and draw a sketch of each pair of angles below.

a) What is the relationship between vertical angles?

Vertical angles are congruent
 $\angle 1 \cong \angle 3$ $\angle 4 \cong \angle 2$



b) What is the relationship between angles that form a linear pair?

Angles that form a linear pair are supplementary (their sum = 180°)
 $m\angle 1 + m\angle 2 = 180^\circ$



c) What are complementary angles?

The sum of complementary angles is 90°
 $m\angle 1 + m\angle 2 = 90^\circ$



or

