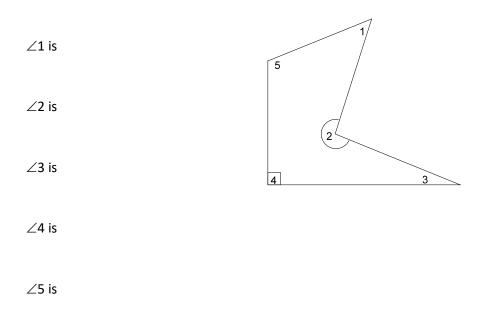
GEOMETRY 2: LINES, RAYS, SEGMENTS & ANGLES

- 1. Use a protractor to draw the following angles. Label all parts.
 - a. $\angle ABC = 40^{\circ}$ b. $\angle DEF = 155^{\circ}$

c. ∠GHI = 270°

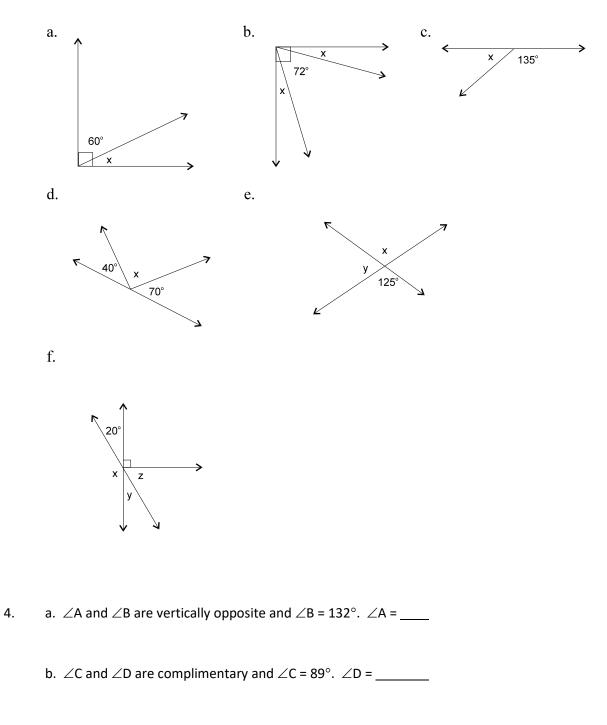
d. $\angle JKL = 350^{\circ}$

2. Classify the angles in the figure below as acute, right, obtuse, straight or reflex.





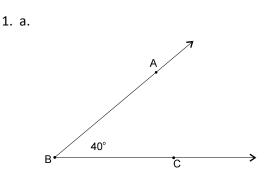
3. Find the angle marked x, y or z in each of the following. Do not use a protractor.

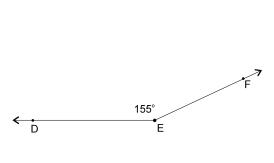


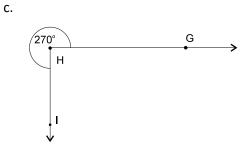
c. $\angle E$ and $\angle F$ are congruent and supplementary. $\angle E$ = _____ $\angle F$ = _____

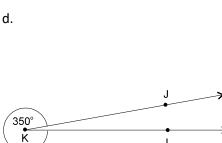


ANSWER KEY









L

2. $\angle 1$ is acute $\angle 2$ is reflex $\angle 3$ is acute

 \angle 4 is right

b.

 $\angle 5$ is obtuse

3. a. $x = 30^{\circ}$ b. $x = 9^{\circ}$ c. $x = 45^{\circ}$ d. $x = 70^{\circ}$ e. $x = 125^{\circ}$, $y = 55^{\circ}$ f. x = 160°, y = 20°, z = 70°

4. a. $\angle A = 132^{\circ}$ b. $\angle D = 1^{\circ}$ c. $\angle E = 90^{\circ}$ and $\angle F = 90^{\circ}$

Source: Government of BC used with permission.

