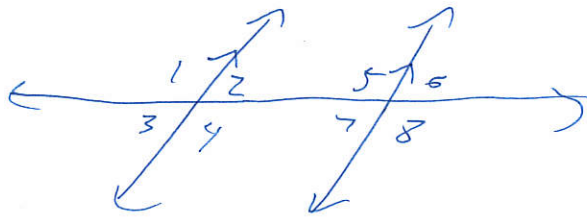Practice Quiz
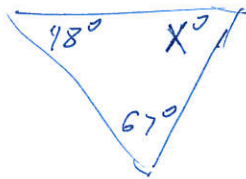
For Exercises 1-3, use the figure below.

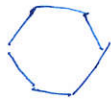
① classify ∠6 and ∠7.

② Find $m\angle 3$ if $m\angle 4 = 68°$

③ Find $m\angle 2$ if $m\angle 6 = 38°$

④ ∠C and ∠D are alternate interior angles formed by two parallel lines cut by a transversal. Find $m\angle D$ if $m\angle C = 47°$

⑤ ∠1 and ∠2 are corresponding and supplementary angles formed by two parallel lines cut by a transversal. Find $m\angle 1$.

6) Find the third angle of a right Triangle if the measure of one angle is $46°$.

7) Find the value of x in the triangle

$98°$ $x°$

$67°$

8) Find the measure of an exterior angle of the regular polygon shown below.

9) The measure of the exterior angle of a regular polygon is 36 degrees. How many sides does the polygon have?

10) Refer to #6. Prove how you know the measure of third angle.