

Geometry

Unit 1 Practice A

Name: _____

Date: _____

Period: 1 2 3 4 5 6

Directions: Show all your work. Write your answers in the column on right. Good Luck! Si se puede. Yes I can!

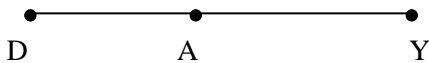
1.) Roz read the following statements:

$\angle 3, \angle 6$ are complementary

$\angle 9, \angle 6$ are complementary

What can Roz conclude?

2.) Given $DY = 30$, $DA = 2x + 14$,
 $AY = 6x - 24$ Solve for x .



3.) U is between Q and Z.

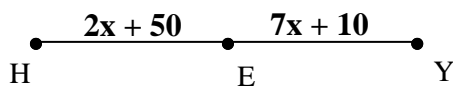
I is between U and Z.

$QZ = 35$, $UI = 6$, and $IZ = 8$

Find QU.

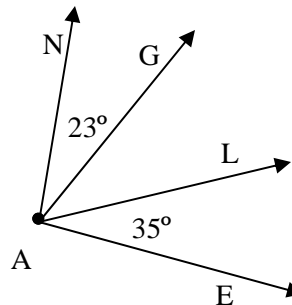
4.) E is the midpoint of HY.

Solve for x .



5.) Given that $m \angle NAE = 77^\circ$.

Find $m \angle GAL$



6.) State the hypothesis and conclusion of the following statement. Write the converse and contrapositive.

If its summertime, then the living is easy.

Converse:

Contrapositive:

7.) M is between S and R. A is between M and R.

R is between M and T.

$ST = 24$, $MR = 6$, and $SM = MA = AR$.

Find RT.

8.) Given that $m \angle INE = 84^\circ$.

Solve for x .

