

# Geometry

## Unit 1 Quiz Review A

Name:

Date:

Period: 1 2 3 4 5 6

Standards: 1.0, 5.0, 16.0

Unit 1 // Holt: 1.1-2.2

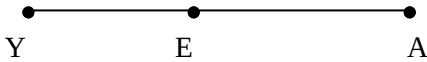
1.) John read the following statements:

$\angle 1, \angle 3$  are complementary

$\angle 3, \angle 7$  are complementary

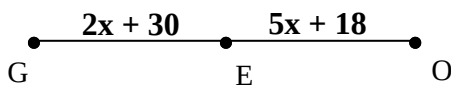
What can John conclude?

2.) Given  $YA = 24$ ,  $YE = 3x + 10$ ,  
 $EA = 6x - 22$  Solve for  $x$ .



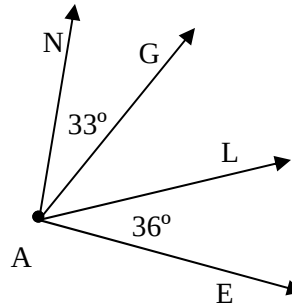
3.) I is between N and E.  
 C is between I and E.  
 $NE = 45$ ,  $IC = 9$ , and  $CE = 17$   
 Find  $NI$ .

4.) E is the midpoint of  $GO$ .  
 Solve for  $x$ .



5.) Given that  $m \angle NAE = 100^\circ$ .

Find  $m \angle GAL$



6.) Write the converse and contrapositive.

If its winter, then the cold is coming.

Converse:

Contrapositive:

7.) E is between M and Y. T is between E and Y.  
 R is between T and Y.  
 $MY = 32$ ,  $ER = 8$ , and  $ET = TR = RY$ .  
 Find  $ME$ .

8.) Given that  $m \angle INE^\circ = 54$ .  
 Solve for  $m \angle AMT$ .

