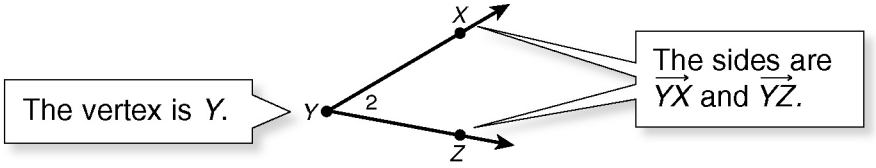
Name: _____ Module 1: Lesson 6

Date: _____ Period: _____ Notes: Naming/Measuring Angles

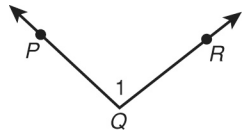
Naming & Measuring Angles

An **angle** is a figure made up of two rays, or **sides,** that have a common endpoint, called the **vertex** of the angle.

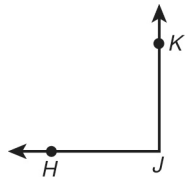


There are four ways to name this angle.

Name each angle in three ways.

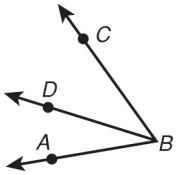
1. 

_____

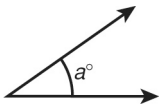
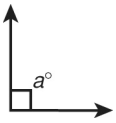
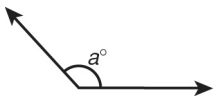
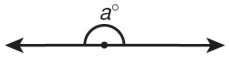
2. 

_____

3. Name three different angles in the figure.



_____

Angle	acute	right	obtuse	straight
Model				
Possible Measures	$0° < a° < 90°$	$a° = 90°$	$90° < a° < 180°$	$a° = 180°$

Classify each angle as acute, right, obtuse, or straight.

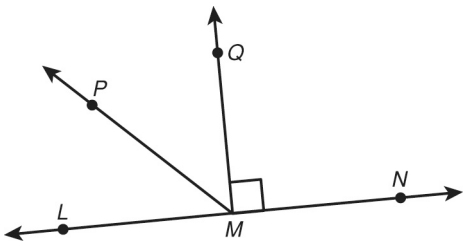
4. $\angle NMP$

_____

5. $\angle QMN$

_____

6. $\angle PMQ$



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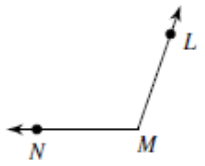
Kuta Software - Infinite Geometry Name_____

Naming Angles

Date_____ Period____

Name the vertex and sides of each angle.

1)



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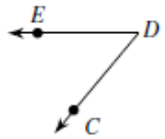
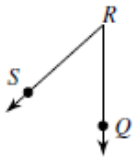
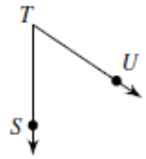


3)

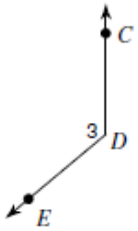


4)

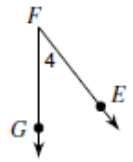


Name each angle in four ways.

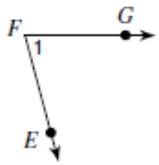
5)



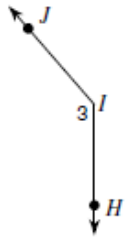
6)



7)



8)



Draw and label an angle to fit each description.

9) an obtuse angle, $\angle Y$

10) an acute angle, $\angle JIH$

11) a right angle, $\angle 3$

12) a straight angle, $\angle CDE$

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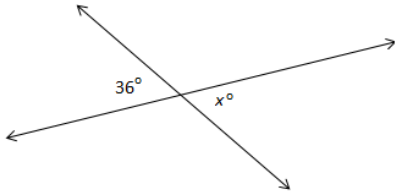
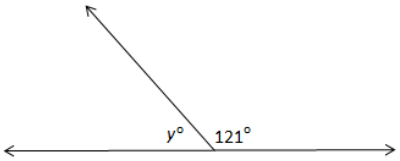
Determine the measure of the missing angle in each diagram.

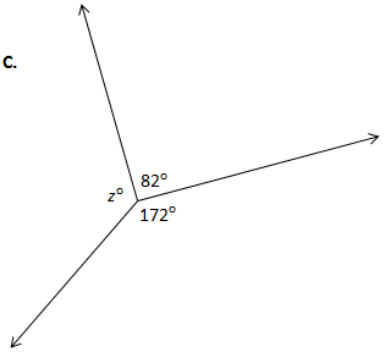
A.



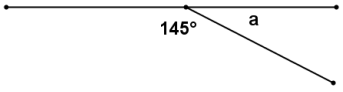
B.

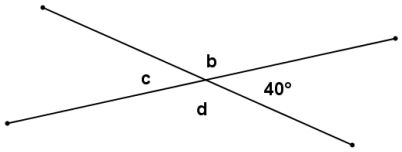


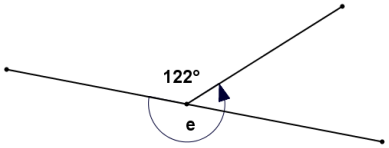
C.



Find the measures of each labeled angle. Give a reason for your solution.







Angle	Angle measure	Reason
$\angle a$		
$\angle b$		
$\angle c$		
$\angle d$		
$\angle e$		

Find the measure of each marked angle. y = _____ x = _____