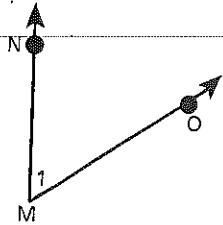


Name _____ Date _____

Name and Label Angles

Angles are formed when two rays share a common endpoint.

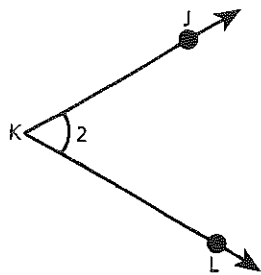


Point M is the vertex.
MN and MO are the sides.

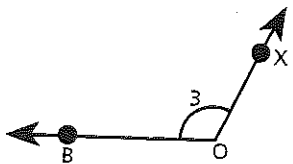
There are four ways to name this angle:
 $\angle 1$, $\angle M$, $\angle NMO$, or $\angle OMN$

When naming angles by their points, the vertex point must always be the center letter.

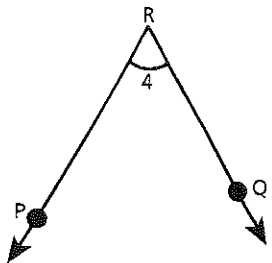
Use the diagram to complete the information.



- 1 Vertex: _____
- 2 Sides: _____ and _____
- 3 Four names for this angle: _____



- 4 Vertex: _____
- 5 Sides: _____ and _____
- 6 Four names for this angle: _____

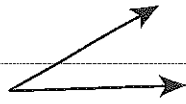


- 7 Vertex: _____
- 8 Sides: _____ and _____
- 9 Four names for this angle: _____

Classify Angles

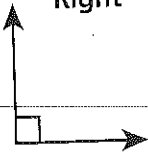
Angles are measured in units called degrees. An angle can be classified by its measure.

Acute



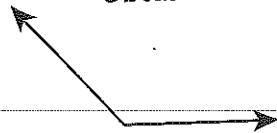
Acute angles have measures greater than 0° and less than 90° .

Right



Right angles have measures equal to 90° . Notice the symbol for right angle.

Obtuse



Obtuse angles have measures greater than 90° and less than 180° .

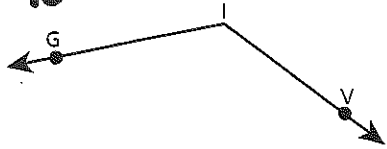
Straight



Straight angles have measures equal to 180° .

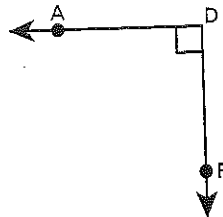
Use the types of angles above to label each illustration. Write three names for each angle.

10



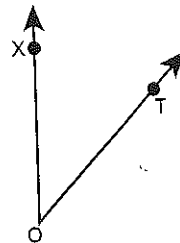
Angle: _____

11



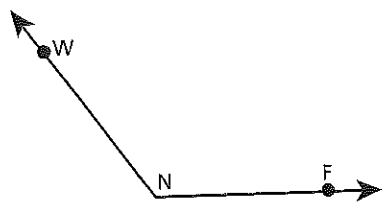
Angle: _____

12



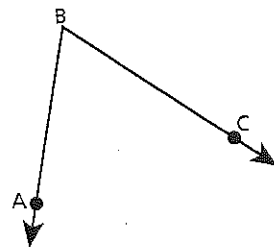
Angle: _____

13



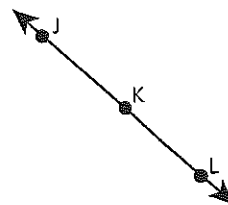
Angle: _____

14



Angle: _____

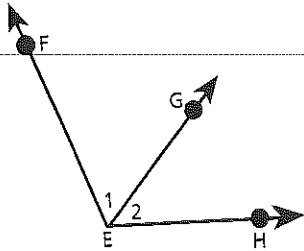
15



Angle: _____

Name and Label Connected Angles

Angles can be connected to other angles.



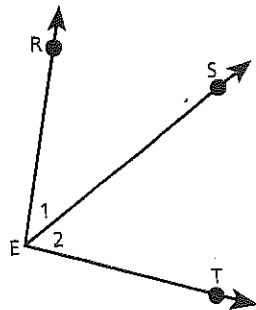
Point E is the vertex for both angles.
 \overline{EG} is the common side.

One angle is $\angle 1$.
 $\angle 1$ can be named $\angle FEG$ or $\angle GEF$.

The second angle is $\angle 2$.
 $\angle 2$ can be named $\angle GEH$ or $\angle HEG$.

The last angle can be named $\angle FEH$ or $\angle HEF$.
 None can be called $\angle E$ because there is more than one angle with that vertex.

Use the diagram to complete the information.



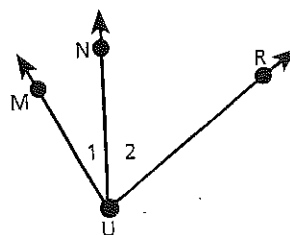
16) Common vertex: _____

17) Common side: _____

18) Names for first angle: _____

19) Names for second angle: _____

20) Names for third angle: _____



21) Common vertex: _____

22) Common side: _____

23) Names for three different angles: _____
