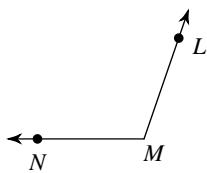


## Naming Angles

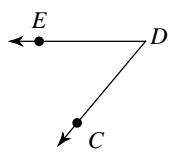
Date\_\_\_\_\_ Period\_\_\_\_

**Name the vertex and sides of each angle.**

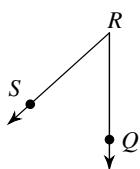
1)



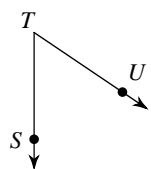
2)



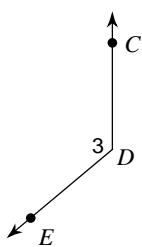
3)



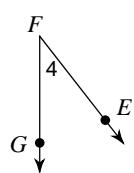
4)

**Name each angle in four ways.**

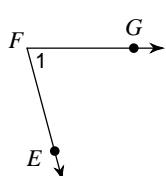
5)



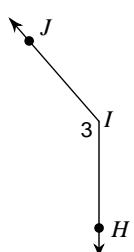
6)



7)

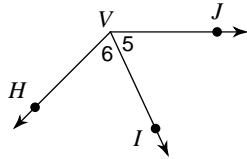


8)

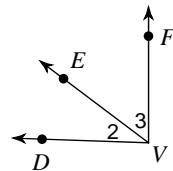
**Draw and label an angle to fit each description.**9) an obtuse angle,  $\angle Y$ 10) an acute angle,  $\angle JIH$ 11) a right angle,  $\angle 3$ 12) a straight angle,  $\angle CDE$

Name all the angles that have V as a vertex.

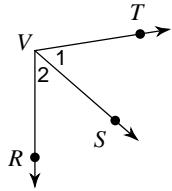
13)



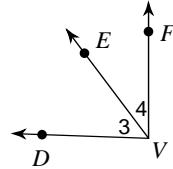
14)



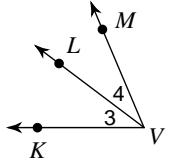
15)



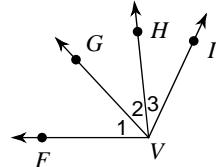
16)



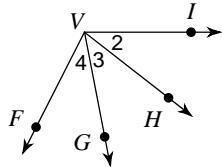
17)



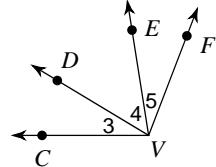
18)



19)

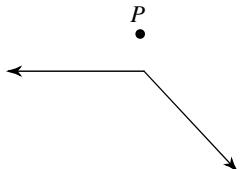


20)

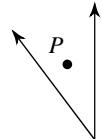


State if the given point is interior, exterior, or on the angle.

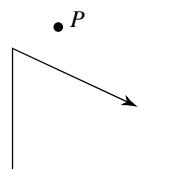
21)



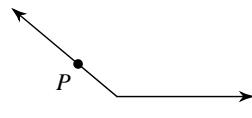
22)



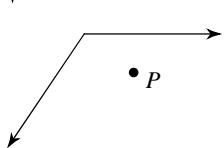
23)



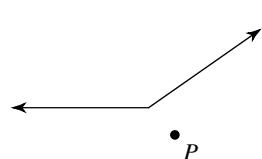
24)



25)



26)



**Critical thinking questions:**

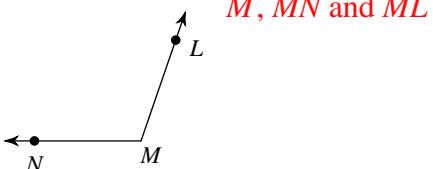
27) Draw a diagram with an acute angle ABC and an obtuse angle DBE so that point D is in the interior of angle ABC.

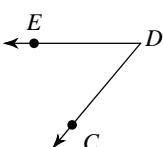
28) In question #27, why is it impossible for both point D and point E to be in the interior of angle ABC?

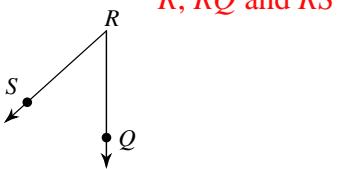
## Naming Angles

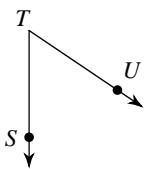
Date\_\_\_\_\_ Period\_\_\_\_

Name the vertex and sides of each angle.

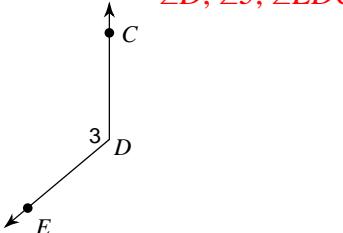
1)   
 $M, \overrightarrow{MN}$  and  $\overrightarrow{ML}$

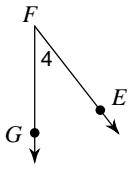
2)   
 $D, \overrightarrow{DC}$  and  $\overrightarrow{DE}$

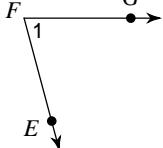
3)   
 $R, \overrightarrow{RQ}$  and  $\overrightarrow{RS}$

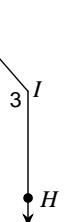
4)   
 $T, \overrightarrow{TU}$  and  $\overrightarrow{TS}$

Name each angle in four ways.

5)   
 $\angle D, \angle 3, \angle EDC, \angle CDE$

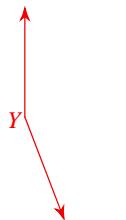
6)   
 $\angle F, \angle 4, \angle EFG, \angle GFE$

7)   
 $\angle F, \angle 1, \angle GFE, \angle EFG$

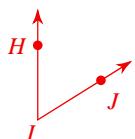
8)   
 $\angle I, \angle 3, \angle HIJ, \angle JIH$

Draw and label an angle to fit each description.

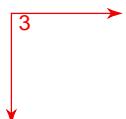
9) an obtuse angle,  $\angle Y$



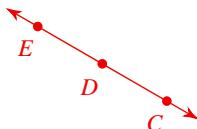
10) an acute angle,  $\angle JIH$



11) a right angle,  $\angle 3$

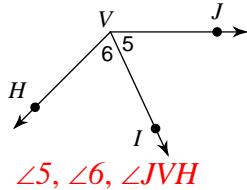


12) a straight angle,  $\angle CDE$



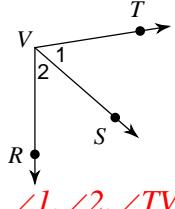
Name all the angles that have V as a vertex.

13)



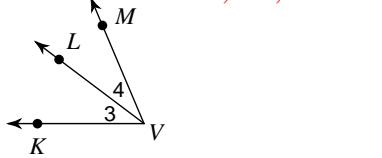
$$\angle 5, \angle 6, \angle JVH$$

15)



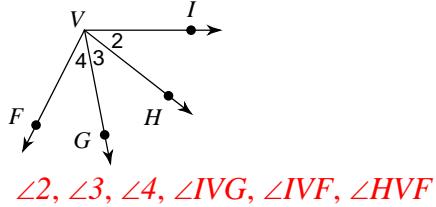
$$\angle 1, \angle 2, \angle TVR$$

17)



$$\angle 3, \angle 4, \angle KVM$$

19)

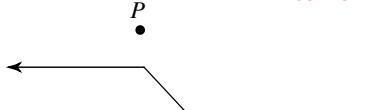


$$\angle 2, \angle 3, \angle 4, \angle IVG, \angle IVF, \angle HVF$$

State if the given point is interior, exterior, or on the angle.

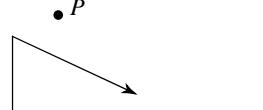
21)

Exterior



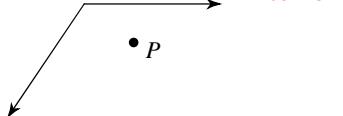
23)

Exterior



25)

Interior

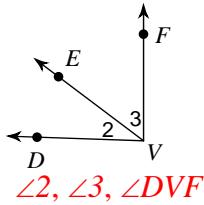


Critical thinking questions:

- 27) Draw a diagram with an acute angle ABC and an obtuse angle DBE so that point D is in the interior of angle ABC.

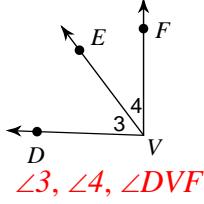
Answers vary

14)



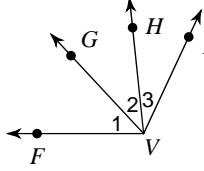
$$\angle 2, \angle 3, \angle DVF$$

16)



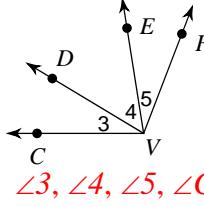
$$\angle 3, \angle 4, \angle DVF$$

18)



$$\angle 1, \angle 2, \angle 3, \angle FVH, \angle FVI, \angle GVI$$

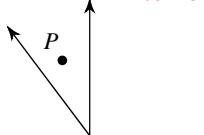
20)



$$\angle 3, \angle 4, \angle 5, \angle CVE, \angle CVF, \angle DVF$$

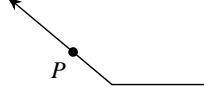
22)

Interior



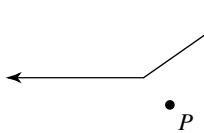
24)

On the angle



26)

Exterior



- 28) In question #27, why is it impossible for both point D and point E to be in the interior of angle ABC?

Because angle ABC is smaller than angle DBE