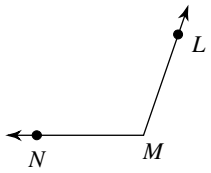
Kuta Software - Infinite Geometry Name_____

Naming Angles

Date_____ Period____

Name the vertex and sides of each angle.

1)



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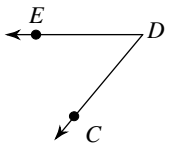

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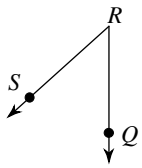

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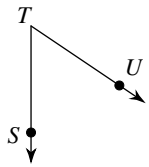
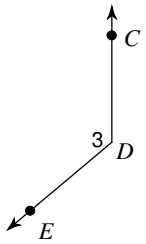


Name each angle in four ways.

5)



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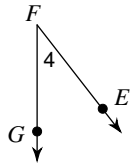

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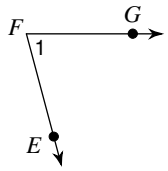

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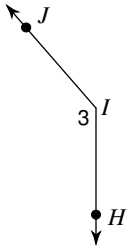


Draw and label an angle to fit each description.

9) an obtuse angle, $\angle Y$

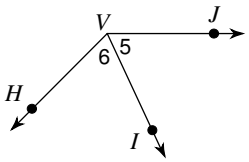
10) an acute angle, $\angle JIH$

11) a right angle, $\angle 3$

12) a straight angle, $\angle CDE$

Name all the angles that have *V* as a vertex.

13)



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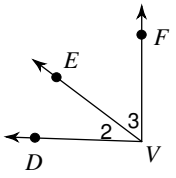

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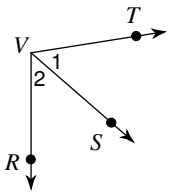

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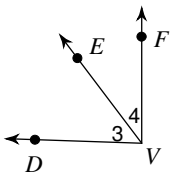

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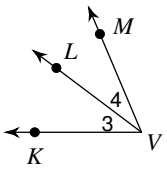

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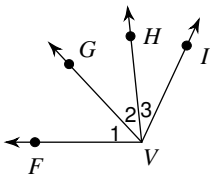

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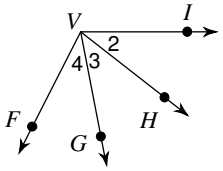

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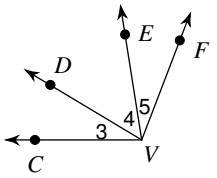
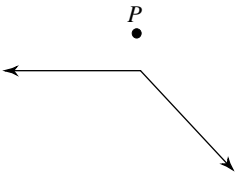


State if the given point is interior, exterior, or on the angle.

21)



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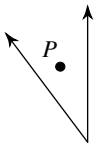

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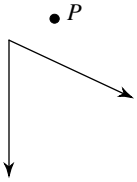

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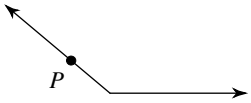

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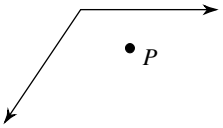

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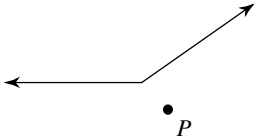


Critical thinking questions:

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 #29, why is it impossible for both point D and point E to be in the interior of angle ABC?

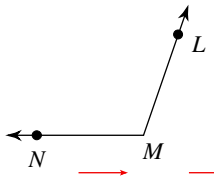
 Name_____

Naming Angles

Date_____ Period____

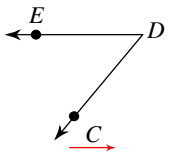
Name the vertex and sides of each angle.

1)



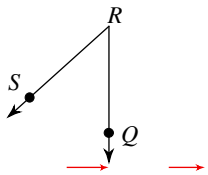
M, $\overrightarrow{MN}$ and $\overrightarrow{ML}$

2)



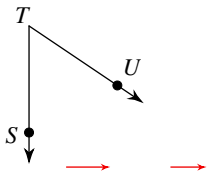
D, $\overrightarrow{DC}$ and $\overrightarrow{DE}$

3)



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

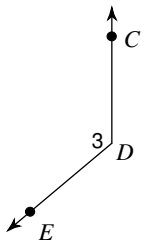
4)



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

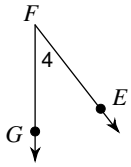
Name each angle in four ways.

5)



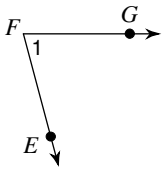
∠*D*, ∠*3*, ∠*EDC*, ∠*CDE*

6)



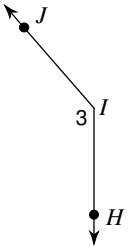
∠*F*, ∠*4*, ∠*EFG*, ∠*GFE*

7)



∠*F*, ∠*1*, ∠*GFE*, ∠*EFG*

8)



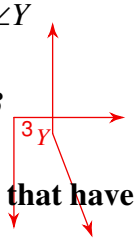
∠*I*, ∠*3*, ∠*HIJ*, ∠*JIH*

Draw and label an angle to fit each description.

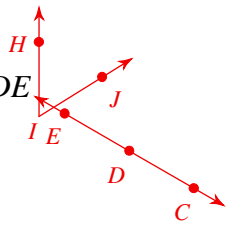
9) an obtuse angle, ∠*Y*

10) an acute angle, ∠*JIH*

11) a right angle, ∠*3*

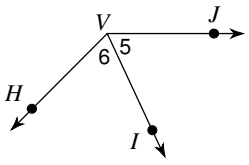


12) a straight angle, ∠*CDE*



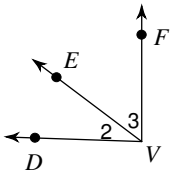
Name all the angles that have *V* as a vertex.

13)



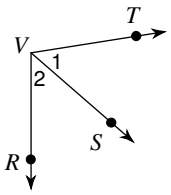
∠*5*, ∠*6*, ∠*JVH*

14)



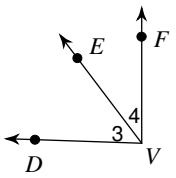
∠*2*, ∠*3*, ∠*DVF*

15)



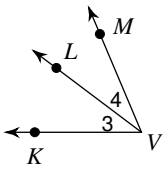
∠1, ∠2, ∠TVR

16)



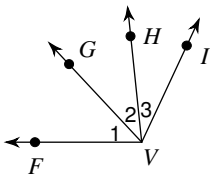
∠3, ∠4, ∠DVF

17)



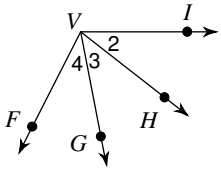
∠3, ∠4, ∠KVM

18)



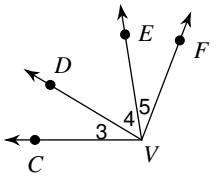
∠1, ∠2, ∠3, ∠FVH, ∠FVI, ∠GVI

19)



∠2, ∠3, ∠4, ∠IVG, ∠IVF, ∠HVF

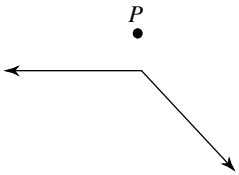
20)



∠3, ∠4, ∠5, ∠CVE, ∠CVF, ∠DVF

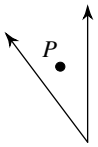
State if the given point is interior, exterior, or on the angle.

21)



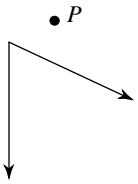
Exterior

22)



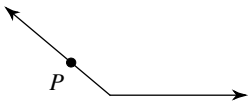
Interior

23)



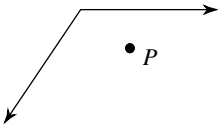
Exterior

24)



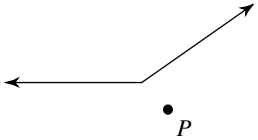
On the angle

25)



Interior

26)



Exterior

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

28) In question #29, 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