Name_____

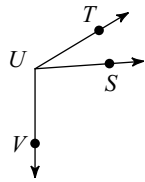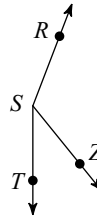# PRACTICE Quiz 6.4 Angle Bisector, Angle Add. post. & Classifying Angles

1) Find $m\angle SUV$ if $m\angle TUS = 27°$ and $m\angle TUV = 121°$.

2) Find x if $m\angle RSZ = 119x + 1$, $m\angle ZST = 39°$, and $m\angle RST = 159x$.

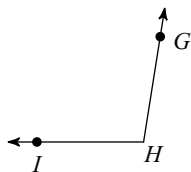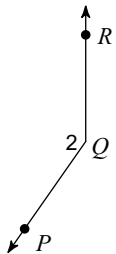**Classify each angle as acute, obtuse, right, or straight.**

3)

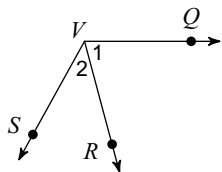4) 180°

Name the vertex and sides of each angle.
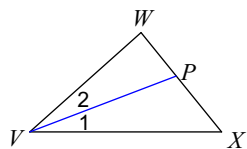
5)

Name each angle in four ways.

6)

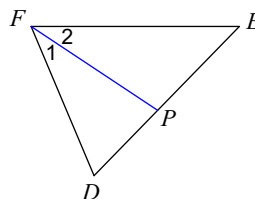**Name the three different angles that have V as a vertex.**

7)

Each figure shows a triangle with one of its angle bisectors.

8) $m\angle 1 = 21°$. Find $m\angle XVW$.
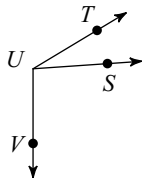
9) $m\angle 1 = 6x + 3$ and $m\angle 2 = 7x - 2$. Find $m\angle 2$.

PRACTICE Quiz 6.4 Angle Bisector, Angle Add. post. & Classifying Angles

1) Find $m\angle SUV$ if $m\angle TUS = 27°$ 94°
   and $m\angle TUV = 121°$.

2) Find x if $m\angle RSZ = 119x + 1$,   1
   $m\angle ZST = 39°$, and $m\angle RST = 159x$.

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

3)   acute

4) 180°   straight

Name the vertex and sides of each angle.

5) $H, \overrightarrow{HI}$ and $\overrightarrow{HG}$

Name each angle in four ways.

6) $\angle Q, \angle 2, \angle PQR, \angle RQP$

Name the three different angles that have V as a vertex.

7) $\angle 1, \angle 2, \angle QVS$

Each figure shows a triangle with one of its angle bisectors.

8) $m\angle 1 = 21°$. Find $m\angle XVW$.   42°

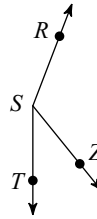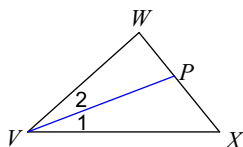9) $m\angle 1 = 6x + 3$ and $m\angle 2 = 7x - 2$.   33°
   Find $m\angle 2$.