Name_____

Rhombuses and Kites with Right Triangles

Date_____ Period_____
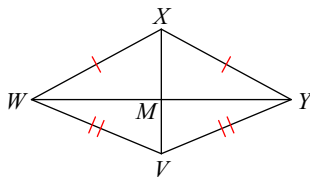
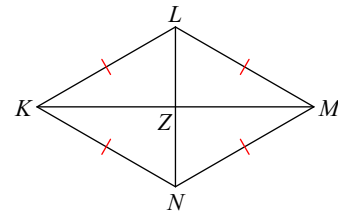**Find the measure of the line segment indicated.**
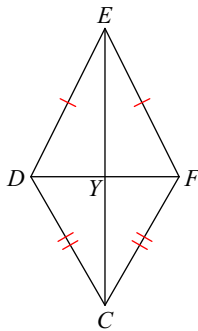
1) $SZ = 15$
$TZ = 8$
Find RU

2) $VM = 12$
$UM = 5$
Find UX

3) $WY = 48$
$VY = 26$
$XM = 13$
Find VX
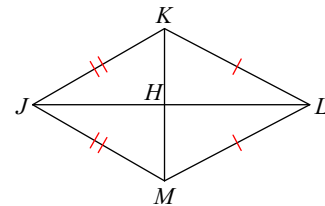
4) $KM = 10\sqrt{3}$
$m\angle LMN = 60°$
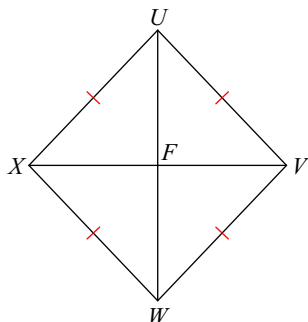Find LN

5) $CD = 26$
$m\angle DCF = 60°$
Find CY

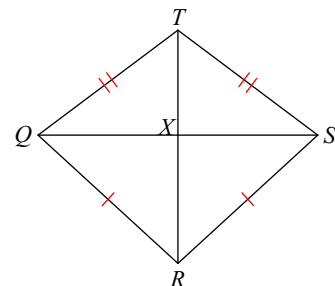6) $KM = 20$
$LH = 11\sqrt{3}$
$m\angle JKH = 60°$
Find JL

Find the measure of the angle indicated. Round your answer to the nearest tenth degree.
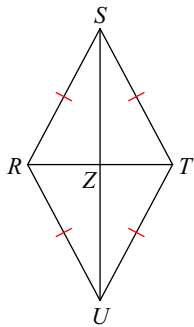
7) $VF = 20$
$UW = 42$
Find $m\angle VWX$

8) $TQ = 15$
$TR = 20$
$XR = 11$
Find $m\angle XTS$

Name_____

Rhombuses and Kites with Right Triangles

Date_____ Period_____
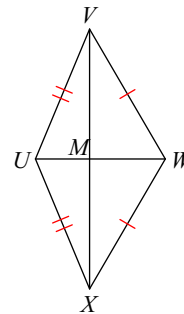
Find the measure of the line segment indicated.

1) $SZ = 15$
   $TZ = 8$
   Find RU

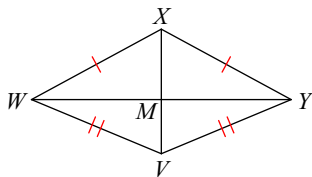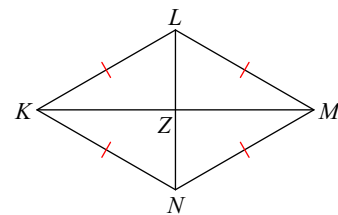   17

2) $VM = 12$
   $UM = 5$
   Find UX
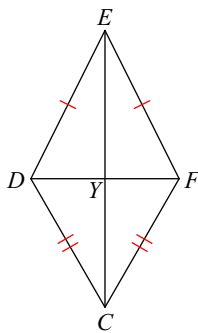
   13

3) $WY = 48$
   $VY = 26$
   $XM = 13$
   Find VX

   23

4) $KM = 10\sqrt{3}$
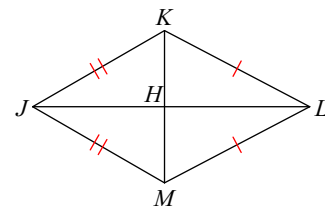 $m\angle LMN = 60°$
   Find LN

   10

5) $CD = 26$
   $m\angle DCF = 60°$
   Find CY

   $13\sqrt{3}$
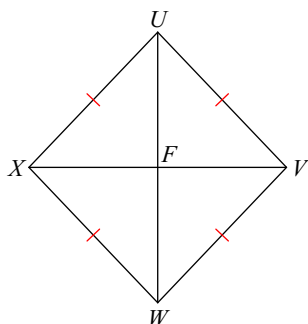
6) $KM = 20$
   $LH = 11\sqrt{3}$
   $m\angle JKH = 60°$
   Find JL

   $21\sqrt{3}$
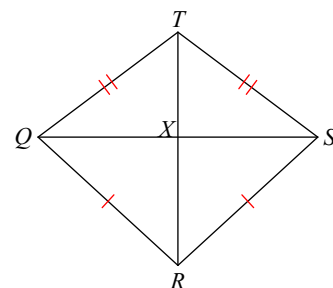
Find the measure of the angle indicated. Round your answer to the nearest tenth degree.

7) $VF = 20$
   $UW = 42$
   Find $m\angle VWX$

   87.2°

8) $TQ = 15$
   $TR = 20$
   $XR = 11$
   Find $m\angle XTS$

   53.1°