

Geometry Day 3

Key

1-3: 11-16, 19-22, 34

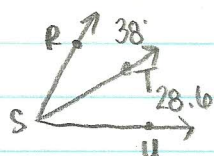
- 11.) $\sphericalangle 1$ or $\sphericalangle JMK$ or $\sphericalangle KMJ$
 $\sphericalangle 2$ or $\sphericalangle LMK$ or $\sphericalangle KML$
 $\sphericalangle JML$ or $\sphericalangle LMJ$

12.) 90° , right

13.) 93° , obtuse

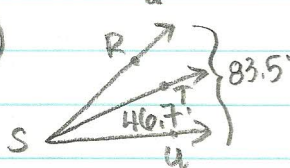
14.) 20° , acute

15.)



$$m\angle RSU = 38 + 28.6 \\ = \boxed{106.6^\circ}$$

16.)



$$m\angle RST + m\angle TSU = m\angle RSU$$

$$m\angle RST + 46.7^\circ = 83.5^\circ$$

$$-46.7 \quad -46.7$$

$$\boxed{m\angle RST = 36.8^\circ}$$

19.) Acute

20.) Right

21.) Acute

22.) Obtuse

$$34.) \quad 25\% = \frac{25}{100} \quad \frac{25}{100} = \frac{x}{360} \quad x = 90^\circ$$

$m\angle AOB = 90^\circ$, Right

$m\angle BOC = 126^\circ$, Obtuse

$m\angle COD = 36^\circ$, Acute

$m\angle DOA = 108^\circ$, Obtuse