

Geometry

Day 4

Key

1-4: 14-19, 23, 24, 26, 29

14.) Adj. & Lin. Pair

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16.) Adj.

17.) Not adj.

18.) $180 - 56.4 = 123.6^\circ$

19.) $90 - 56.4 = 33.6^\circ$

23.) $\angle 1 \cong \angle 2$

$$m\angle 2 = 22.3^\circ$$

$$\angle 1 + \angle 3 = 90$$

$$m\angle 3 = 90 - 22.3 = 67.7^\circ$$

$$\angle 2 + \angle 4 = 90$$

$$m\angle 4 = 90 - 22.3 = 67.7^\circ$$

$$m\angle 1 = 22.3^\circ$$

24.) Any 2 \angle s across from each other: \angle PTU & \angle VTR

26.) $5x + 17x - 18 = 180$

$$\angle ABD = 5(9) = 45^\circ$$

$$22x - 18 = 180$$

$$\angle BDE = 17(5) - 18 = 135^\circ$$

$$22x = 198$$

$$x = 9$$

29.) $5y + 1 + 3y - 7 = 90$

$$m\angle ABD = 5(12) + 1 = 61^\circ$$

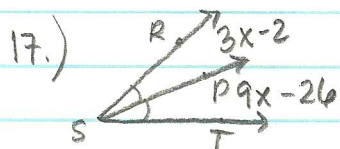
$$8y - 6 = 90$$

$$m\angle BDC = 3(12) - 7 = 29^\circ$$

$$8y = 96$$

$$y = 12$$

1-3: 17, 18, 27, 29-31



$$3x - 2 = 9x - 26$$

$$3(4) - 2 = 10$$

$$24 = 6x$$

$$9(4) - 26 = 10$$

$$x = 4$$

$$m\angle RST = 20^\circ$$