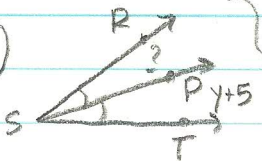
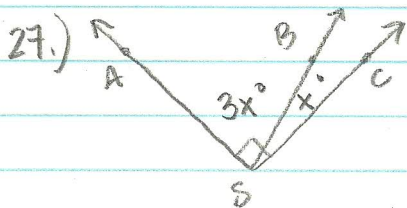


18.)  $\left. \begin{array}{l} \text{?} \\ y+5 \end{array} \right\} \frac{5}{2}y \cdot 2(y+5) = \frac{5}{2}y$

$$\begin{array}{r} 2y+10 = \frac{5}{2}y \\ 2y+10 = 2\frac{1}{2}y \\ -2y \quad \quad -2y \end{array}$$

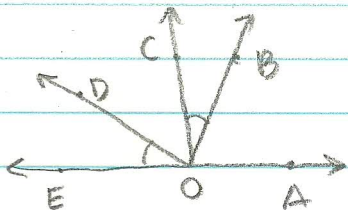
$$\begin{array}{l} 10 = \frac{1}{2}y \\ y = 20 \end{array}$$

$$\boxed{m\angle RSP = 25}$$



$$\begin{array}{l} 3x+x=90 \\ 4x=90 \\ x=22.5 \end{array}$$

$$\boxed{\begin{array}{l} m\angle ASB = 67.5^\circ \\ m\angle BSC = 22.5^\circ \end{array}}$$



29.) $\angle AOC = 7x - 2$, $\angle DOC = 2x + 4$, $\angle EOD = 27$

$$7x - 2 + 2x + 4 + 27 = 180$$

$$9x + 29 = 180$$

$$9x = 151 \quad \boxed{x = 16.\bar{3}}$$

30.) $\angle AOB = 4x - 2$, $\angle BOC = 5x + 10$, $m\angle COD = 3x - 8$

$$4x - 2 + 2(5x + 10) + 3x - 8 = 180$$

$$4x - 2 + 10x + 20 + 3x - 8 = 180$$

$$17x + 10 = 180$$

$$17x = 170 \quad \boxed{x = 10}$$

31.) $\angle AOB = 6x + 5$, $\angle BOC = 4x - 2$, $\angle AOC = 8x + 21$

$$6x + 5 + 4x - 2 = 8x + 21$$

$$10x + 3 = 8x + 21$$

$$2x = 18 \quad \boxed{x = 9}$$