

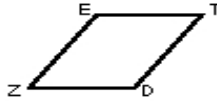
Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

### Properties of Parallelograms

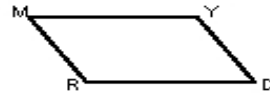
Find  $x$ .

1)



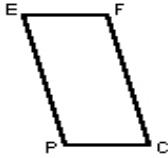
$$\begin{aligned} m \angle Z &= 56.5^\circ \\ m \angle E &= 4.00x + 111.50^\circ \end{aligned}$$

2)



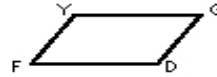
$$\begin{aligned} m \angle Y &= 124.1^\circ \\ m \angle M &= 6.00x + 43.90^\circ \end{aligned}$$

3)



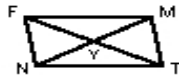
$$\begin{aligned} FC &= 39.2 \\ EP &= 7.00x + 25.20 \end{aligned}$$

4)



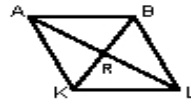
$$\begin{aligned} GD &= 30.6 \\ YF &= 4.00x + 18.60 \end{aligned}$$

5)



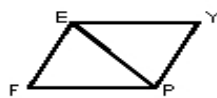
$$\begin{aligned} FY &= 35.8 \\ FT &= 7.00x + 64.60 \end{aligned}$$

6)



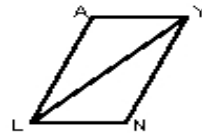
$$\begin{aligned} KR &= 19 \\ KB &= 3.00x + 23.00 \end{aligned}$$

7)



$$\begin{aligned} m \angle PEF &= 28.1^\circ \\ m \angle PYE &= 73.6^\circ \\ m \angle PEY &= 6.00x + 66.30^\circ \end{aligned}$$

8)



$$\begin{aligned} m \angle AYL &= 35.8^\circ \\ m \angle LNY &= 114.6^\circ \\ m \angle LYN &= 7.00x + 1.60^\circ \end{aligned}$$