

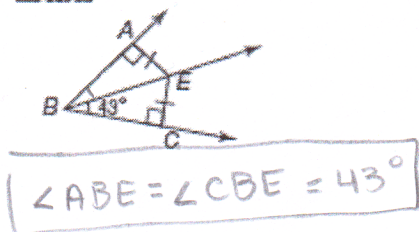
Name: Key

Date: _____

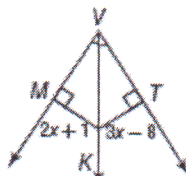
Station 2

Find the measure asked for in each problem.

1. $\angle ABE$



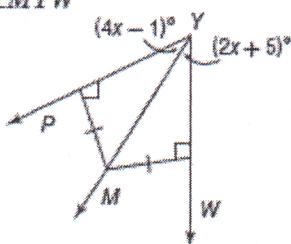
2. MK



$$\begin{aligned} MK &= KT \\ 2x + 1 &= 3x - 8 \\ 9 &= x \end{aligned}$$

$$\begin{aligned} MK &= 2(9) + 1 \\ MK &= 18 + 1 \\ \boxed{MK} &= \boxed{19} \end{aligned}$$

3. $\angle MYW$



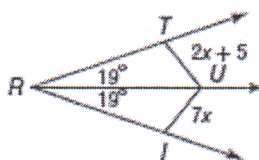
$$\begin{aligned} \angle MYW &= \angle MYP \\ 2x + 5 &= 4x - 1 \end{aligned}$$

$$\begin{aligned} 6 &= 2x \\ 3 &= x \end{aligned}$$

$$\begin{aligned} \angle MYW &= 2(3) + 5 \\ &= 6 + 5 \end{aligned}$$

$$\boxed{\angle MYW = 11}$$

4. IU



$$\begin{aligned} IU &= TU \\ 7x &= 2x + 5 \\ 5x &= 5 \\ x &= 1 \end{aligned}$$

$$\boxed{IU = 7(1) = 7}$$