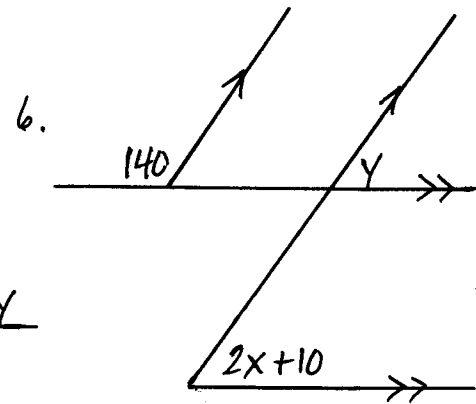
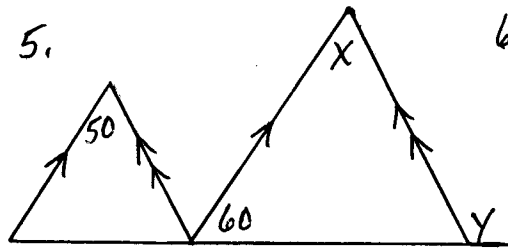
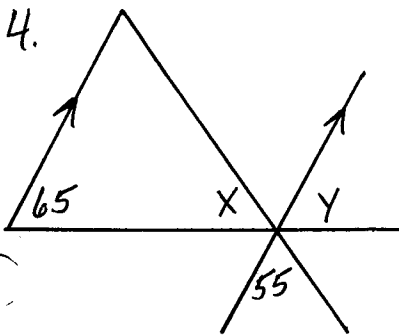
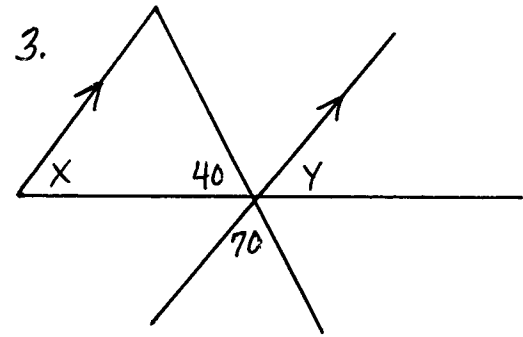
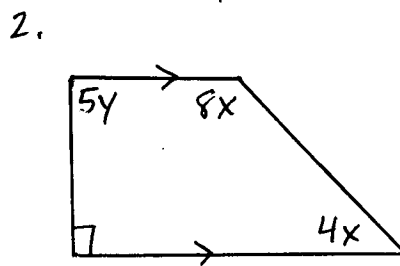
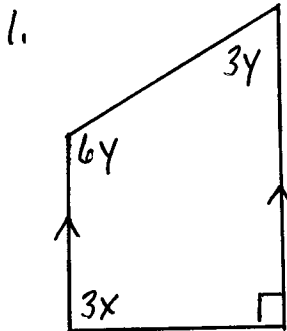


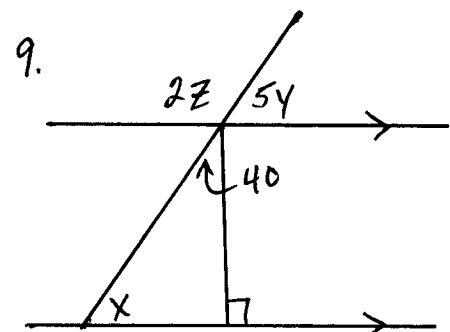
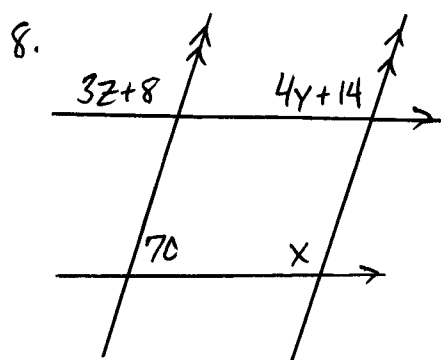
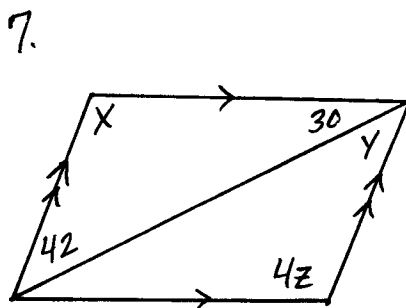
3.1

# PARALLEL LINES

Find the values of  $x$  and  $y$ :

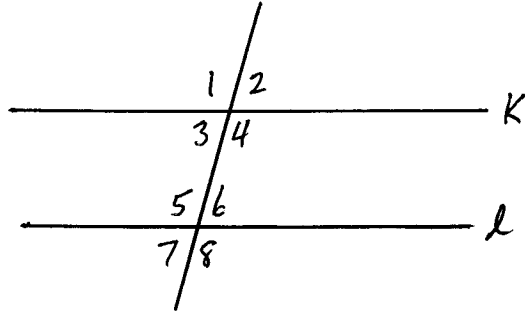


Find the values of  $x$ ,  $y$  and  $z$ :



# PARALLEL PROOFS

1.

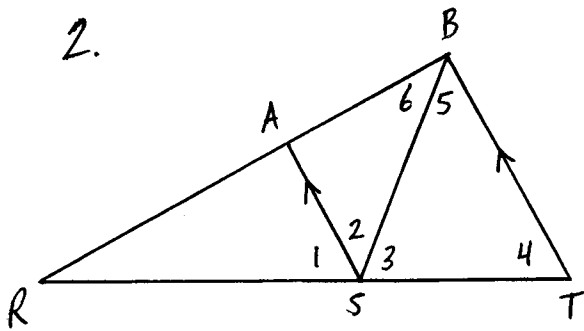


Given  $K \parallel l$

Prove  $\angle 7$  is supp to  $\angle 1$

- |                                                   |    |
|---------------------------------------------------|----|
| 1. $K \parallel l$                                | 1. |
| 2. $\angle 3$ and $\angle 5$ are supps            | 2. |
| 3. $m\angle 3 + m\angle 5 = 180^\circ$            | 3. |
| 4. $m\angle 3 = m\angle 7, m\angle 1 = m\angle 5$ | 4. |
| 5. $m\angle 7 + m\angle 1 = 180^\circ$            | 5. |
| 6. $\angle 7$ and $\angle 1$ are supps            | 6. |

2.



Given  $\overline{AS} \parallel \overline{BT}$   
 $m\angle 4 = m\angle 5$

Prove  $m\angle 1 = m\angle 2$

- |                                            |    |
|--------------------------------------------|----|
| 1. $\overline{AS} \parallel \overline{BT}$ | 1. |
| 2. $m\angle 2 = m\angle 5$                 | 2. |
| 3. $m\angle 4 = m\angle 5$                 | 3. |
| 4. $m\angle 2 = m\angle 4$                 | 4. |
| 5. $m\angle 1 = m\angle 4$                 | 5. |
| 6. $m\angle 1 = m\angle 2$                 | 6. |