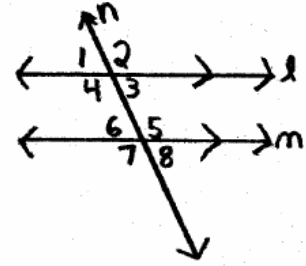


Answer the following Questions.

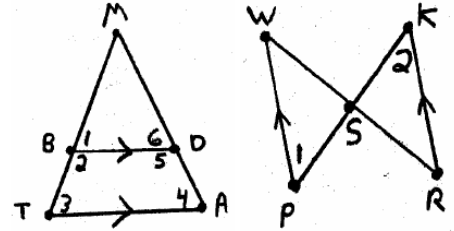
1. Explain why $\angle 4$ and $\angle 6$ must be supplementary.



2. If you know that $m\angle 1 = 70$, explain two different strategies you could use to find $m\angle 5$.

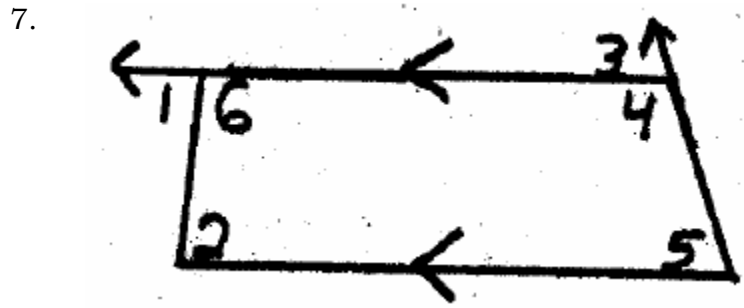
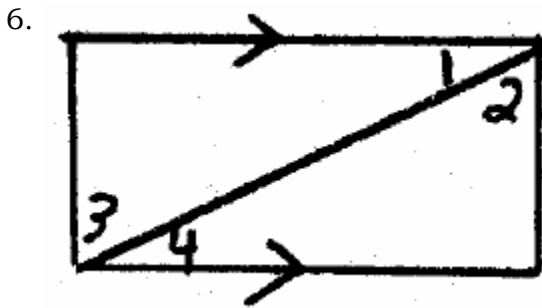
3. Explain what the arrowheads on the lines in both diagrams indicate.

4. If $BD \parallel AT$, then $\angle 1 \cong \angle 3$ and $\angle 6 \cong \angle 4$. Explain why this is true.

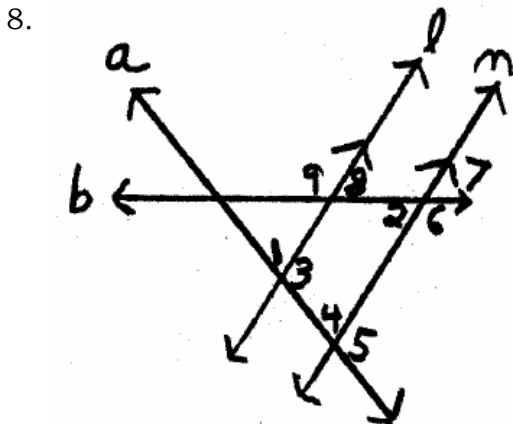


5. If $WP \parallel KR$, then $\angle 1 \cong \angle 2$. Explain why this is true.

List the conclusions that can be drawn from each figure.

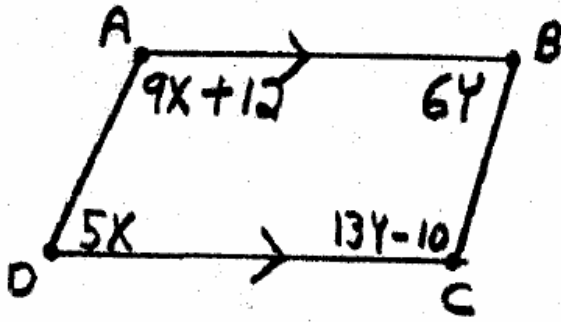


Given $l \parallel m$, $m\angle 1 = 98$, and $m\angle 2 = 40$, find the measure of each angle. Justify each decision using the properties of parallel lines.

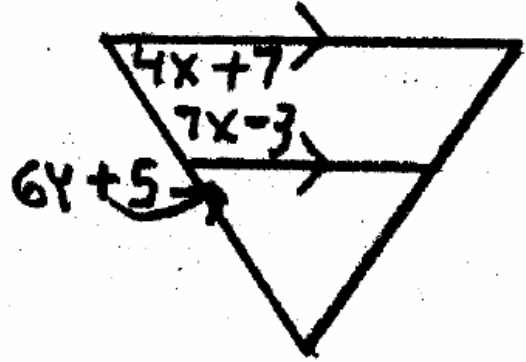


Find the values of x and y . Justify each decision using the properties of parallel lines.

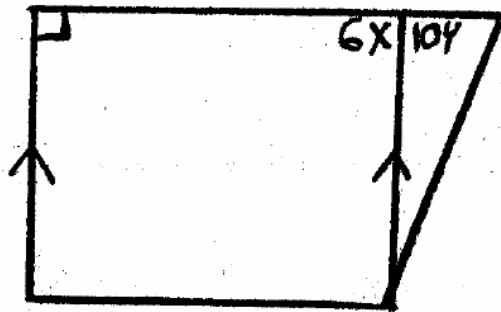
9.



10.

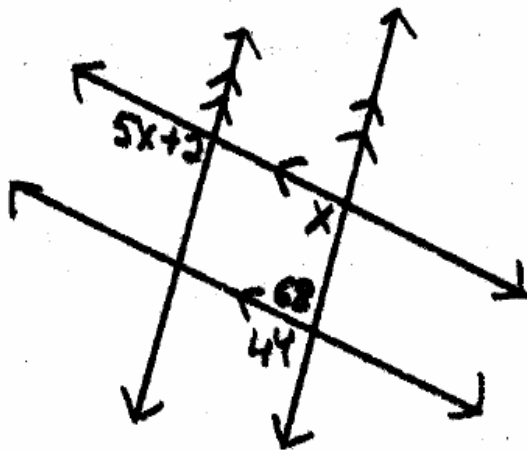


11.

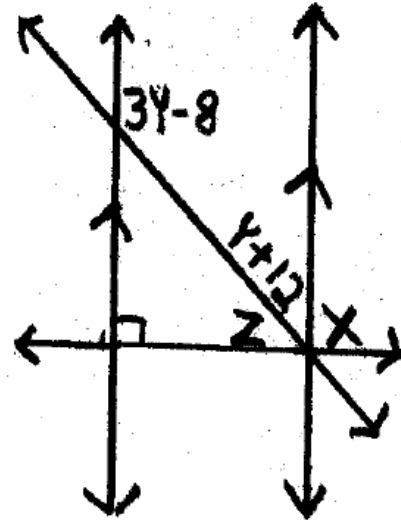


Find the values of x , y and z . Justify each decision using the properties of parallel lines.

12.



13.



14.

