Angles and Parallel Lines

In the figure, $\ell \parallel m$. Find the measure of each angle.

1. If $m\angle 7 = 100$, find $m\angle 3$.

2. If $m\angle 7 = 95$, find $m\angle 6$.

3. If $m\angle 1 = 120$, find $m\angle 5$.

4. If $m\angle 4 = 20$, find $m\angle 7$.
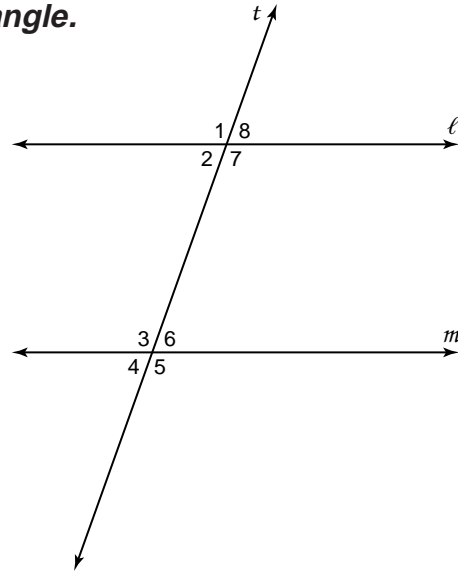
5. If $m\angle 3 = 140$, find $m\angle 8$.

6. If $m\angle 4 = 30$, find $m\angle 1$.

7. If $m\angle 4 = 40$, find $m\angle 2$.   8. If $m\angle 7 = 125$, find $m\angle 4$.

9. If $\ell \perp t$, find $m\angle 3$.   10. If $m\angle 1 + m\angle 3 = 230$, find $m\angle 6$.

In the figure, $s \parallel t$. Find the measure of each angle.

11. $m\angle 1$

12. $m\angle 2$

13. $m\angle 3$

14. $m\angle 4$

15. In the figure, $r \parallel s$. Find the value of x.