

In the figure, $l \parallel m$. Find the measure of each angle. Each problem is different.

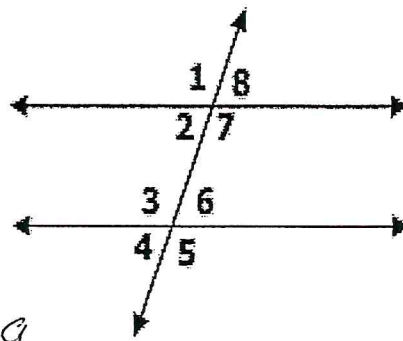
Justify your work below.



Write out the COMPLETE theorem:

Unacceptable: corresponding

Acceptable: If 2th corresponding $\angle$'s $\cong$



35) If $m\angle 7 = 100^\circ$, then $m\angle 3 =$ _____

39) If $m\angle 3 = 140^\circ$, then $m\angle 8 =$ _____

36) If $m\angle 7 = 175^\circ$, then $m\angle 6 =$ _____

40) If $m\angle 4 = 30^\circ$, then $m\angle 1 =$ _____

37) If $m\angle 7 = 120^\circ$, then $m\angle 5 =$ _____

41) If $m\angle 4 = 40^\circ$, then $m\angle 2 =$ _____

38) If $m\angle 4 = 20^\circ$, then $m\angle 7 =$ _____

42) If $m\angle 7 = 125^\circ$, then $m\angle 4 =$ _____