

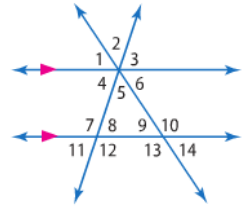
LT 1.2 Angles and Parallel Lines

Homework #4: Complete #11-15 all, #17, 18

Honors: Complete #11-15 all, #17, 18

Examples 1–2 In the figure, $m\angle 11 = 62$ and $m\angle 14 = 38$. Find the measure of each angle. Tell which postulate(s) or theorem(s) you used.

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|-----------------|----------------|-----------------|
| 11. $\angle 4$ | 12. $\angle 3$ | 13. $\angle 12$ |
| 14. $\angle 8$ | 15. $\angle 6$ | 16. $\angle 2$ |
| 17. $\angle 10$ | 18. $\angle 5$ | 19. $\angle 1$ |



- 11. 62; Corr. \triangle Post.
- 12. 62; Corresponding \triangle Post. and Vertical \triangle Thm. or Alt. Ext. \triangle Thm.
- 13. 118; Def. Supp. \triangle
- 14. 62; Vertical Angle Thm.
- 15. 38; Corr. \triangle Post.
- 16. 80; Alt. Ext. \triangle Post. and Supp. \angle Thm.
- 17. 142; Supplement Angles Thm.
- 18. 80; Vertical Angles Thm.
- 19. 38; Alt. Ext. \triangle Thm.