1. Using the diagram on the right, identify all pairs of angles of the given type.
2. Corresponding
3. Alternate interior
4. Alternate exterior
5. Consecutive interior
6. Vertical angles
7. Using the diagram on the right, provide an example of each segment relationship.
8. Skew Segments
9. Parallel Segments
10. Perpendicular Segments
11. Given the diagram below, determine the angle relationship and whether they are congruent or supplementary.
12. $∠1, ∠4$
13. $∠1, ∠5$
14. $∠2, ∠7$
15. $∠3, ∠6$
16. $∠2, ∠5$
17. $∠4, ∠8$
18. Find the value of $x$, for each diagram.







1. Find the measure of the angle indicated in **bold**.



1. Determine which lines, if any, must be parallel.
2. Solve for $x$ and $y$ for each diagram.
3. Write a two-column proof for the following:

 Given: $∠1≅∠2, f⊥h, and f∥ g $

 Prove: $e∥ g$