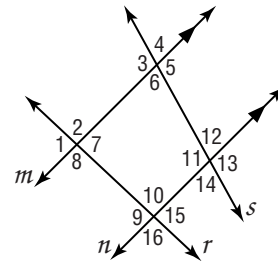


3-2

Practice

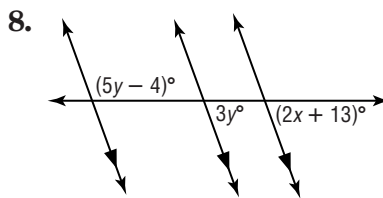
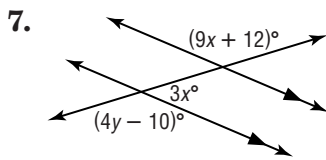
Angles and Parallel Lines

In the figure, $m\angle 2 = 92$ and $m\angle 12 = 74$. Find the measure of each angle.

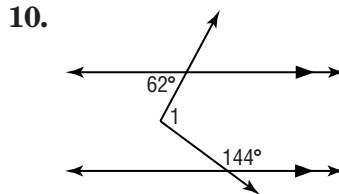
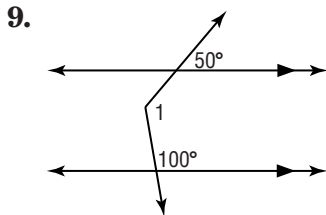


- | | |
|----------------|----------------|
| 1. $\angle 10$ | 2. $\angle 8$ |
| 3. $\angle 9$ | 4. $\angle 5$ |
| 5. $\angle 11$ | 6. $\angle 13$ |

Find x and y in each figure.



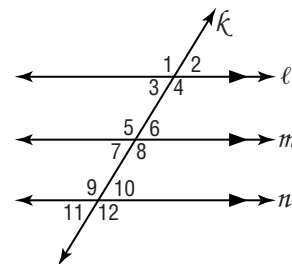
Find $m\angle 1$ in each figure.



11. **PROOF** Write a paragraph proof of Theorem 3.3.

Given: $l \parallel m, m \parallel n$

Prove: $\angle 1 \cong \angle 12$



12. **FENCING** A diagonal brace strengthens the wire fence and prevents it from sagging. The brace makes a 50° angle with the wire as shown. Find y .

