

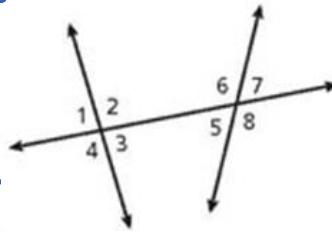
3.1 Angles Formed by a Transversal

Homework Assignment

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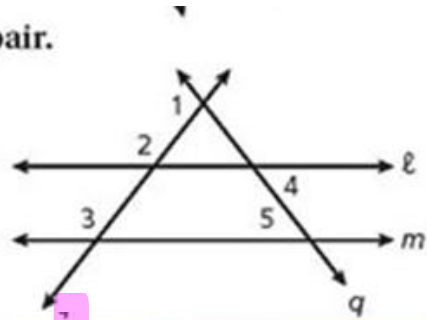
Give an example of each angle pair.

- 18. same-side interior angles $\angle 2, \angle 6$ and $\angle 3, \angle 5$
- 19. alternate exterior angles $\angle 1, \angle 8$ and $\angle 4, \angle 7$
- 20. corresponding angles $\angle 1, \angle 6$ $\angle 4, \angle 5$
 $\angle 2, \angle 7$ $\angle 3, \angle 8$
- 21. alternate interior angles $\angle 2, \angle 5$ and $\angle 3, \angle 6$



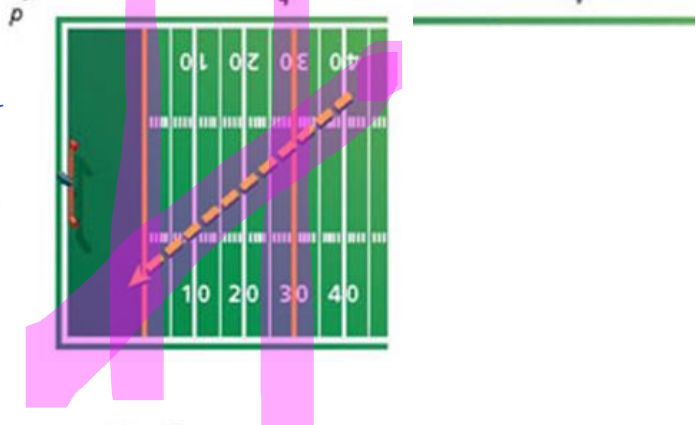
Identify the transversal and classify each angle pair.

- 22. $\angle 2$ and $\angle 4$ trans p ; corr \angle s
- 23. $\angle 4$ and $\angle 5$ trans q ; alt. int \angle s
- 24. $\angle 2$ and $\angle 3$ trans l ; alt. ext \angle s
- 25. $\angle 1$ and $\angle 5$ trans p ; same side int \angle s



- 26. **Sports** A football player runs across the 30-yard line at an angle. He continues in a straight line and crosses the goal line at the same angle. Describe two parallel lines and a transversal in the diagram.

- the 2 parallel lines are the 30 yard line and the goal line
- the transversal is the path of the runner.



Name the type of angle pair shown in each letter.

27. F



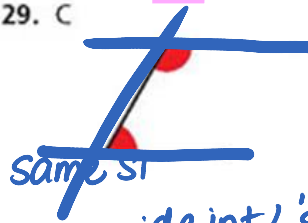
Corresponding \angle s

28. Z



alternate interior \angle s

29. C



same side interior \angle s