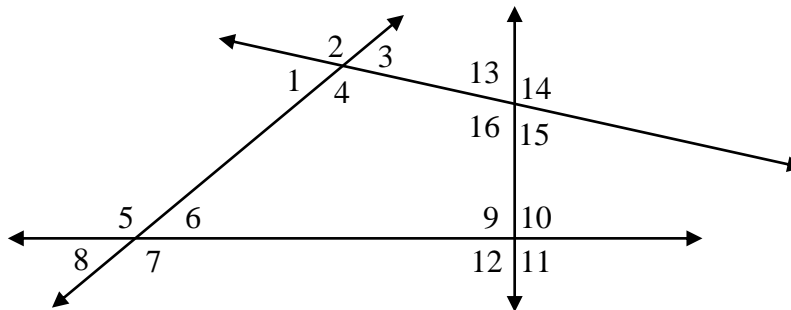


Use Parallel Lines and Transversals

Assignment



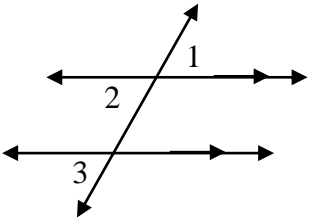
Refer to the above figure and identify the special angle pair name.

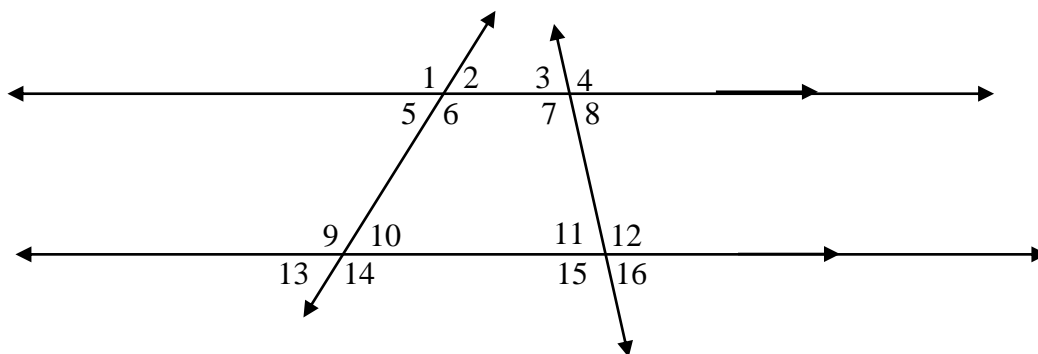
- 1) $\angle 3$ and $\angle 13$ _____
- 2) $\angle 8$ and $\angle 10$ _____
- 3) $\angle 11$ and $\angle 15$ _____
- 4) $\angle 8$ and $\angle 6$ _____
- 5) $\angle 1$ and $\angle 6$ _____
- 6) $\angle 6$ and $\angle 10$ _____
- 7) $\angle 14$ and $\angle 15$ _____

| | |
|--|--|
| <p>8) $m\angle 1 = 3x - 17^\circ$ $m\angle 2 = x + 1^\circ$ $x =$ _____</p> <p>9) $m\angle 3 = 20k + 11^\circ$ $m\angle 4 = 8k + 1^\circ$ $k =$ _____</p> | |
| <p>10) $m\angle 1 = 95^\circ + 7h$ $m\angle 2 = 55^\circ - h$ $h =$ _____</p> <p>11) $m\angle 3 = 5k + 12^\circ$ $m\angle 4 = 7k - 16^\circ$ $k =$ _____</p> | |

Use Parallel Lines and Transversals

Assignment

| | |
|--|---|
| <p>12) $m\angle 1 = 7y + 16$ $m\angle 2 = 2x$ $m\angle 3 = 4x - 30$</p> <p>$x =$ _____</p> <p>$y =$ _____</p> |  |
|--|---|



Let $m\angle 1 = 115^\circ$ and $m\angle 12 = 110^\circ$

| | |
|--------------------------|--------------------------|
| 13. $m\angle 9 =$ _____ | 14. $m\angle 4 =$ _____ |
| 15. $m\angle 10 =$ _____ | 16. $m\angle 11 =$ _____ |
| 17. $m\angle 8 =$ _____ | 18. $m\angle 5 =$ _____ |
| 19. $m\angle 3 =$ _____ | 20. $m\angle 14 =$ _____ |

Refer to the above figure and identify the special angle pair name.

- 21) $\angle 7$ and $\angle 2$ _____
- 22) $\angle 6$ and $\angle 14$ _____
- 23) $\angle 13$ and $\angle 12$ _____
- 24) $\angle 7$ and $\angle 11$ _____
- 25) $\angle 4$ and $\angle 8$ _____