3.1 Parallel Lines and transversals

Determine if the angles are alternate interior, corresponding, same-side interior, vertical, a linear pair, or if there is no relationship.

**8**

**7**

**6**

**5**

**4**

**3**

**2**

**1**

**14**

**13**

**12**

**11**

**10**

**9**

**16**

**15**

1. 6 and 9

2. 10 and 11

3. 7 and 8

4. 6 and 14

5. 1 and 12

6. 7 and 4

7. 1 and 3

**1**

**6**

**5**

**4**

**3**

**2**

**9**

**8**

**7**

10

**11**

8. 2 and 5

9. 2 and 6

10. 7 and 6

11. 2 and 9

12. 9 and 10

**7**

**6**

**5**

**4**

**3**

**2**

**1**

**13**

**12**

**11**

**10**

**9**

**8**

**14**

13. 12 and 7

14. 10 and 11

15. 8 and 6

16. 6 and 14

17. 5 and 6

18. 3 and 5

19. 7 and 5