Two-column Proof

|  |  |
| --- | --- |
| Given: are vertical angles. and  Prove: | |
| **Statements** | **Reasons** |
| are vertical angles, and | 1. |
|  | 2. |
|  | 3. |
|  | 4. |
|  | 5. |
|  | 6. |
|  | 7. |
|  | 8. |
|  | 9. |
|  | 10. |

|  |  |
| --- | --- |
| Given: are complementary angles. and  Prove: | |
| **Statements** | **Reasons** |
| are complementary angles. and | 11. |
|  | 12. |
|  | 13. |
|  | 14. |
|  | 15. |
|  | 16. |
|  | 17. |
|  | 18. |

|  |  |
| --- | --- |
| Given: .  Prove: | |
| **Statements** | **Reasons** |
| . | 19. |
|  | 20. |
|  | 21. |
|  | 22. |
|  | 23. |

|  |  |
| --- | --- |
| Given: and    Prove: | |
| **Statements** | **Reasons** |
| and | 24. |
| are **[#25.]** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ angles | [🡨Do #25 first] 26. |
|  | 27. |
|  | 28. |
|  | 29. |
|  | 30. |
|  | 31. |
|  | 32. |

|  |  |
| --- | --- |
| Given: and    Prove: | |
| **Statements** | **Reasons** |
| and | 33. |
|  | 34. |
|  | 35. |
|  | 36. |
|  | 37. |

|  |  |
| --- | --- |
| Given:    Prove: | |
| **Statements** | **Reasons** |
| and are a linear pair | 38. |
|  | 39. |
|  | 40. |
|  | 41. |
|  | 42. |