1. Given: Diagram

Prove: 

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.
 | 1. Given
 |
| 1.
 | 1. Vertical Angles Congr. Thm
 |
| 1.
 | 1. SAS~
 |



1. Given: 

Prove: 

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.
 | 1. Given
 |
| 1.
 | 1. Vertical Angles Congr. Thm
 |
| 1.
 | 1. SAS~
 |
| 1. (or )
 | 1. Definition of ~
 |
| 1.
 | 1. Alt. Int. Ang’s Thm Converse
 |

1. Given: 

Prove: 

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.
 | 1. Given
 |
| 1.
 | 1. Reflexive Prop.
 |
| 1.
 | 1. SAS~
 |
| 1.
 | 1. Definition of ~
 |



1. Given: Diagram

Prove: 

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.
 | 1. Given
 |
| 1.
 | 1. Reflexive Prop.
 |
| 1.
 | 1. SAS~
 |
| 1. (or )
 | 1. Definition of ~
 |
| 1.
 | 1. Corr. Ang’s Post. Converse
 |