**Geometry**

**Algebraic Equation Proofs**

**Fill in the blanks for each proof.**

1. Given: 2. Given:

Prove: Prove:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Statement** | **Reason** |  | **Statement** | **Reason** |
| 1. | 1. Given |  | 1. | 1. Given |
| 2. | 2. |  | 2. | 2. Distributive Property |
| 3. | 3. Addition |  | 3. | 3. |
| 4. | 4. |  | 4. | 4. |

Re-write as a paragraph proof below. Re-write as a paragraph proof below.

3. Given: 4. Given:

Prove: Prove:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Statement** | **Reason** |  | **Statement** | **Reason** |
| 1. | 1. |  | 1. | 1. Given |
| 2. | 2. Multiplication |  | 2. | 2. |
| 3. | 3. |  | 3. | 3. Addition |
| 4. | 4. |  | 4. | 4. |

Re-write as a paragraph proof below. Re-write as a paragraph proof below.