**Proof #1**

Geometric Proof Practice!

Given:

*a*

*b*

4

2

3

6

5

7

1

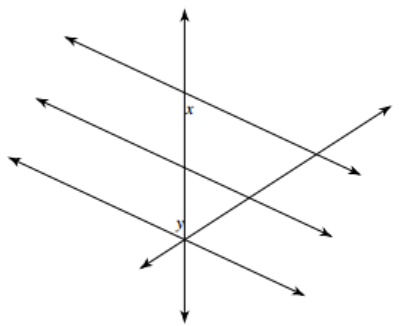
8

Prove:

|  |  |
| --- | --- |
| I know…. | because… |
|  |  |

Given: The following parallel lines and transversals.

**Proof #2**



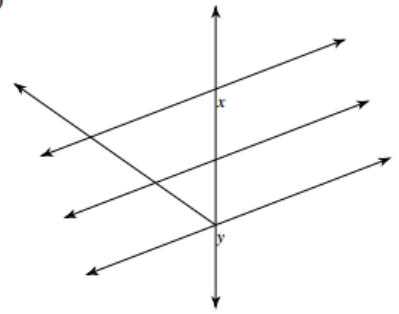
Prove: x = y

\*You may label angles on the picture.

|  |  |
| --- | --- |
| I know…. | because… |
|  |  |

**Proof #3**

Given: The following parallel lines and transversals.

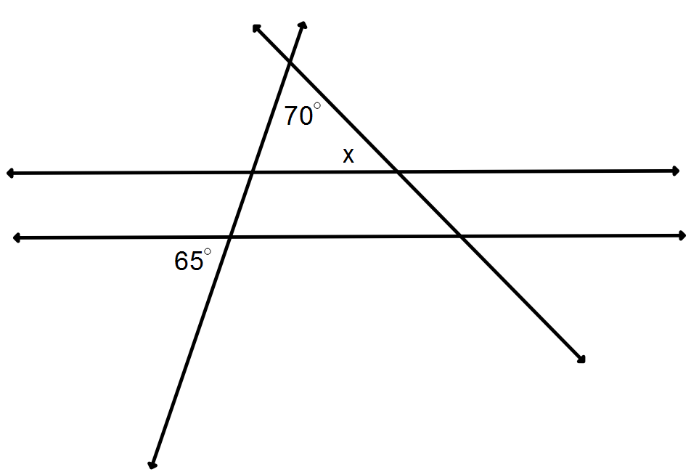


Prove: x = y.

\* You may label any angles on the picture.

|  |  |
| --- | --- |
| I know…. | because… |
|  |  |

**Proof #4**

Given the following parallel lines and transversals:

Prove: x = 45 degrees

\*You may label any angles on the picture.

|  |  |
| --- | --- |
| I know…. | because… |
|  |  |