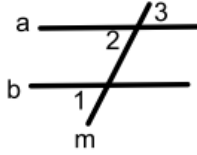


Chapter 3 Proofs Practice

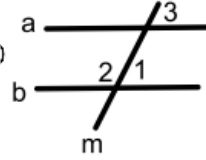
Given: $a \parallel b$
 Prove: $m\angle 1 \cong m\angle 3$



Proof #1:

1	1
2	2
3	3
4	4

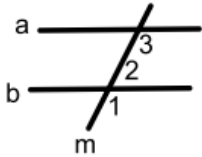
Given: $a \parallel b$
 Prove: $m\angle 2 + m\angle 3 = 180$



Proof #2:

1	1
2	2
3	3
4	4

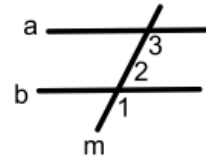
Given: $a \parallel b$
 Prove: $\angle 1 \cong \angle 3$



Proof #3:

1	1
2	2

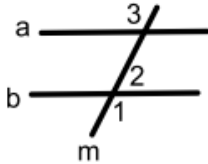
Given: $\angle 2$ and $\angle 3$
 are supplements
 Prove: $\angle 1 \cong \angle 3$



Proof #4:

1	1
2	2
3	3

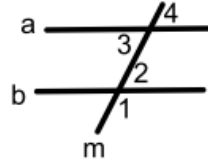
Given: $\angle 1 \cong \angle 3$
 Prove: $a \parallel b$



Proof #5:

1	1
2	2
3	3

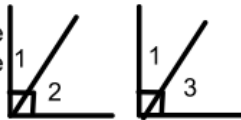
Given: $\angle 1 \cong \angle 4$
 $a \perp m$
 Prove: $a \parallel b$



Proof #6:

1	1
2	2
3	3
4	4
5	5

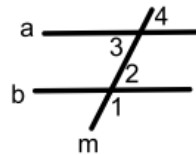
Given: $\angle 2$ & $\angle 1$ form a right angle
 $\angle 3$ & $\angle 1$ form a right angle
 Prove: $\angle 2 \cong \angle 3$



Proof #7:

1	1
2	2
3	3
4	4
5	5

Given: $\angle 1 + \angle 4 = 180$
 Prove: $a \parallel b$



Proof #8:

1	1
2	2
3	3
4	4
5	5
6	6
7	7