Proof Review Answer Key:

1) Statements	Reasons
	1) given
	2) Theorem 2-6
4) <1 and <3 are comp.	
5) <1 + <3 = 90	
	6) transitive property
7) m<1 = m<2	7) subtraction property
8) ray EB bisects <AEC	8) def. of an angle bisector

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2) Statements	Reasons
	1) given
	2) division property
	3) given
	4) Theorem 2-2
	5) substitution property

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3) Statements	Reasons
	1) given
	2) reflexive property
	3) addition property
	4) segment addition postulate
	5) substitution property

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4) Statements	Reasons
1) KP = ST and PR = TV	
	2) addition property
	3) segment addition postulate
4) KR = SV	

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5) Statements	Reasons
	2) transitive property
3) m<1 = m<4	
	4) subtraction property

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6) Statements	Reasons
1) m<AOI = m<EOU	
	2) reflexive property
	3) angle addition postulate
	4) transitive
5) m<1 = m<3	5) subtraction property

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7) Statements	Reasons
1) m<1 = m<3	
	2) reflexive property
	3) addition property
	4) angle addition postulate
	5) substitution property

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8) Statements	Reasons
	1) given
	2) Theorem 2-2
3) m<RST = m<SRT	
	4) division property
5) m<1 = m<2	5) transitive property

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9) Statements	Reasons
	1) given
	2) Theorem 2-1
3) PQ = RS	
	4) division property
5) PM = RN	5) steps 2 and 4

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10) Statements	Reasons
	1) given
	2) Theorem 2-6
	3) given
	4) def. of comp. angles
	5) transitive property
6) m<1 = m<1	
	7) subtraction property