

Activity 3.6.1: Proving the Congruence of Triangles

Total points = 18

1. Reasons
1. Triangle Interior Angles Theorem

2. Transitive Property of Equality

3. Given

4. Subtraction Property of Equality

5. Given

6. ASA Triangle Congruence Postulate
2. Reasons
1. Given

2. Definition of Midpoint

3. Vertical Angles Theorem

4. Definition of Midpoint

5. SAS Triangle Congruence Postulate
3. Reasons
1. Given

2. Definition of Perpendicular Line Segments

3. Right Angles Congruency Theorem

4. Reflexive Property of Congruence

5. Given

6. Definition of Angle Bisector

7. ASA Triangle Congruence Postulate

Activity 3.6.1: Proving the Congruence of Triangles

Total points = 18

1. Reasons
1. Triangle Interior Angles Theorem

2. Transitive Property of Equality

3. Given

4. Subtraction Property of Equality

5. Given

6. ASA Triangle Congruence Postulate
2. Reasons
1. Given

2. Definition of Midpoint

3. Vertical Angles Theorem

4. Definition of Midpoint

5. SAS Triangle Congruence Postulate
3. Reasons
1. Given

2. Definition of Perpendicular Line Segments

3. Right Angles Congruency Theorem

4. Reflexive Property of Congruence

5. Given

6. Definition of Angle Bisector

7. ASA Triangle Congruence Postulate

Activity 3.6.1: Proving the Congruence of Triangles

Total points = 18

1. Reasons
1. Triangle Interior Angles Theorem

2. Transitive Property of Equality

3. Given

4. Subtraction Property of Equality

5. Given

6. ASA Triangle Congruence Postulate
2. Reasons
1. Given

2. Definition of Midpoint

3. Vertical Angles Theorem

4. Definition of Midpoint

5. SAS Triangle Congruence Postulate
3. Reasons
1. Given

2. Definition of Perpendicular Line Segments

3. Right Angles Congruency Theorem

4. Reflexive Property of Congruence

5. Given

6. Definition of Angle Bisector

7. ASA Triangle Congruence Postulate

Activity 3.6.1: Proving the Congruence of Triangles

Total points = 18

1. Reasons
1. Triangle Interior Angles Theorem

2. Transitive Property of Equality

3. Given

4. Subtraction Property of Equality

5. Given

6. ASA Triangle Congruence Postulate
2. Reasons
1. Given

2. Definition of Midpoint

3. Vertical Angles Theorem

4. Definition of Midpoint

5. SAS Triangle Congruence Postulate
3. Reasons
1. Given

2. Definition of Perpendicular Line Segments

3. Right Angles Congruency Theorem

4. Reflexive Property of Congruence

5. Given

6. Definition of Angle Bisector

7. ASA Triangle Congruence Postulate