Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| Use the following to review for you test. **Show your work on a separate sheet of paper if needed.** |
| **Things to Know** | **Things to Remember** | **Examples** |
| Solving for missing angles | Linear Pair – Supplementary Angles  Complementary Angles Vertical AnglesAlternate Interior Angles  Alternate Exterior Angles Corresponding Angles Consecutive Interior Angles  | 1. Solve for x.

 1. Solve for x.
 | 1. Solve for x, and the measure of

A B C D E 1. One of two supplementary angles is 98° greater than its supplement. Find the measure of both angles.
2. are complementary angles. Solve for x and the measure of both angles.

 |
| 1. Given , , find the measures of all the numbered angles in the figure, and give the reason why (vocab in things to remember)

 |
| Triangle Congruence | SSS, SAS, ASA, AAS, HL, None | 1.

GHIFC | 1.

ABCD |
| Sum of Interior & Exterior Angles | The sum of all interior angles is 180°.The sum of a straight line is 180°. | 1. Solve for

120°MJK | 1. Solve for x = \_\_\_\_\_ and
 |
| Base Angles | -If 2 angles in a triangle are congruent, then the sides opposite them are congruent.-If 2 sides in a triangle are congruent, then the angles opposite them are congruent. | 11. Solve for x. 12.  is an isosceles triangle with AB and BC as the legs. Solve for x. Ax72°30°C5x+1B**Choice Bank**: SSS SAS ASA AAS HL CPCTC Vertical Angles are Reflexive Property Alternate Interior Angles  Right Angles are Transitive Property Definition of a Midpoint Given1. Given:

Prove:

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.  | 1.  |
| 2.  | 2. |
| 3.  | 3.  |
| 4.  | 4.  |

1. Given:

Prove:

|  |  |
| --- | --- |
| **Statements** | **Reasons** |
| 1.  | 1.  |
| 2.  | 2. Given |
| 3.  | 3.  |
| 4.  | 4. |
| 5.  | 5.  |

 |
| Proofs | State what is given first, and mark your picture!Step 1 – Write down the givensStep 2 – Make any marks that you know are congruent (reflexive property, vertical angles, alternate interior angles)Step 3 – The last Statement will always be showing the Triangles are (SSS, SAS, ASA, AAS, HL) |