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

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| --- | --- | --- | --- | --- |
| 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 Angles    Alternate 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 | G  H  I  F  C | | A  B  C  D |
| 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°  M  J  K | 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.  A  x  72°  30°  C  5x+1  B  **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 Given     1. 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 givens  Step 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) |