Foundations of CCM2 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 3 Review

1) If $∆ABC≅∆XYZ$, then $\overbar{AB}$ $≅$ \_\_\_\_\_\_\_\_, $<B≅$ \_\_\_\_\_\_\_\_\_\_, AND $\overbar{XZ}≅$ \_\_\_\_\_\_\_\_\_

2) Which pair of triangles is congruent by ASA? 2)\_\_\_\_\_\_\_\_\_



1. B.



 C. D.

3) Solve for x.

3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4)In triangles below, $∆ABC ≅ ∆XYZ$.

Which two statements identify corresponding congruent parts for these triangles?

1. $\overbar{AB} ≅\overbar{XY} and ∠C ≅ ∠Y$
2. $\overbar{AB} ≅\overbar{YZ} and ∠C ≅ ∠X$ 4)\_\_\_\_\_\_\_\_\_
3. $\overbar{BC} ≅\overbar{XY} and ∠A ≅ ∠Y$
4. $\overbar{BC} ≅\overbar{YZ} and ∠A ≅ ∠X$

 5)Use the information in the figure below to solve for x. 5)\_\_\_\_\_\_\_\_\_



6)What are the rigid motions? 6)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) State whether each triangle is congruent or not. If they are state which postulate or theorem that proves they are congruent.

a) b) c)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ c) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) Find m<ABC:

8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) If ABCDE ~ VWXYZ, then:

(a) Find the scale factor of ABCDE to VWXYZ. \_\_\_\_\_\_\_\_\_

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(b) Find the values of *r* and s. *r* = \_\_\_\_\_\_\_

 *s* = \_\_\_\_\_\_\_

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 What’s wrong with this picture? Explain why the information cannot be correct.



Write complete sentences: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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