**You will need a separate piece of paper to show all your work. This review is *not* comprehensive; always be sure to go back through your old homework. We will have a Quiz Friday that will cover some of these questions as well as new material.**

**C**

**A**

**R**

**G**

**E**

**O**

* *I can* *write a congruency statement representing two congruent polygons*

1. Write a congruency statement for the two triangles at right.

* *I can* *identify congruent parts of a polygon, given a congruency statement*

1. List ALL of the congruent parts if
   * *I can* *use algebra to find the side lengths and angle measures of congruent polygons*
2. . Find p.

X

Y

W

Z

V

2

2p

20

(7p+13))

1. . Find x.

D

C

(2*x* + 7)°

1

2

B

A

(*x* – 8x)°

* *I can* *name the five ways to prove triangles are congruent*

1. Name the 5 ways to prove triangles congruent.

* *I can* *prove triangles are congruent*

For each pair of triangles, tell**: (a)** Are they congruent **(b)** Write the triangle congruency statement. **(c)** Give the postulate that makes them congruent.

A

B

C

D

7

A

W

T

E

R

1. Given: I is the midpoint

of ME and SL

M

S

L

I

E

* *I can* *mark pieces of a triangle congruent given how they are to be proved congruent*

P

R

S

Q

1. What information is   
   missing to use AAS?
2. What information is missing to use SAS?

D

C

A

B

**For which value(s) of *x* are the triangles congruent?**

11. *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 12. *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A

D

1

m ∠3 = *x*2

m ∠4 = 7*x* - 10

B

E

C

2

3

4

4*x* + 8

7*x* - 4

A

B

R

C

13. *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 14. *x* = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

W

S

R

Z

T

*x*2 + 2*x*

*x*2 + 24

*x*2 + 3*x*

D

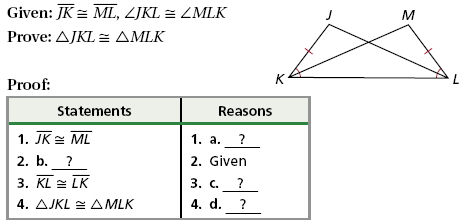
A

B

C

9*x* - 8

* *I can* *write a two-column proof over congruent triangles*



15.