Name _____ Date _____ Hour _____

Chapter 7 Skills & Vocab

In the following questions, define these terms as stated in your Glencoe Geometry textbook. Use both the Dictionary and Chapter 7 to find ALL definitions.

Complete sentences or no points.

1. Ratio -

2. Scale Factor -

3. Scale Drawing -

4. Scale Model -

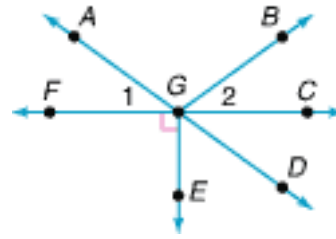5. Similar Polygons -

6. Cross Products -

7. Dilation (first sentence) –

8. Enlargement –

9. Proportion –

10. Draw two similar polygons
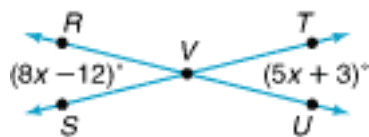
Use the following figure for 11-14.

11. If segment GC bisects <DGB, which angle is congruent to <DGC?

12. If m <1 is 45 degrees and <FGE is a right angle, what is the measure of angle AGE?

13. If m<DGE is 52 degrees and <FGE is a right angle, what is the measure of angle DGF?

14. If GD bisects <CGE, which angle is congruent to <CGD?

15. If RU and ST intersect at V, what is the measure of <RVS?

16. Solve the proportion for x.

$$\frac{x}{2} = \frac{x + 6}{8}$$

17. Solve the proportion for n.

$$\frac{7}{n} = \frac{24.5}{56}$$

18. Find the value of c for the proportion.

$$\frac{7.2}{4.8} = \frac{20.4}{c}$$

19. Solve for x in the proportion.

$$\frac{x}{30} = \frac{4}{5}$$

20. Solve for r in the proportion.

$$\frac{13}{29} = \frac{91}{r}$$