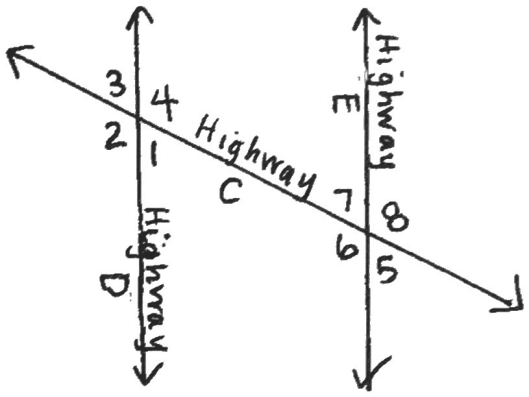
Review for Unit 2 Part 1

Name: _____

Standard: Parallel Lines Cut by a Transversal

1. The following image shows two parallel highways that are cut by a transversal highway. Which are the two parallel highways and which is the transversal?



Parallel: _____

_____

Transversal: _____

Using the image above, name one pair of each of the following angles.

2. Vertical Angles: _____

3. Linear Pair: _____

4. Alternate Interior Angles: _____

5. Alternate Exterior Angles: _____

6. Corresponding Angles: _____

7. Same-Side Interior Angles: _____

7. Supplementary Angles: _____

Tell whether each pair of angles are supplementary or congruent.

9. Vertical Angles: _____

10. Linear Pair: _____

11. Alternate Interior Angles: _____

12. Alternate Exterior Angles: _____

13. Corresponding Angles: _____

14. Same-Side Interior Angles: _____

Find the measure of the following angles given m <1 = 110° and m<14 = 35°

15. m < 3 =

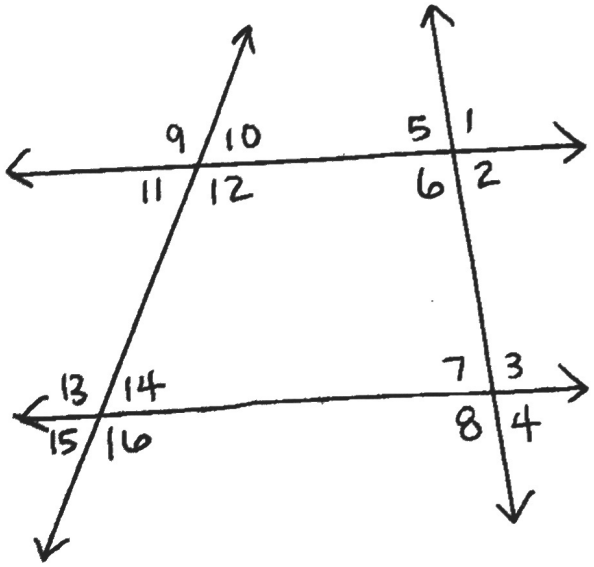
16. m < 6 =

17. m < 4 =

18. m < 16 =

19. m < 11 =

20. m < 12 =



Find the measure of the following angles given m <5 = 113° and m<16 = 21°

21. m < 8 =

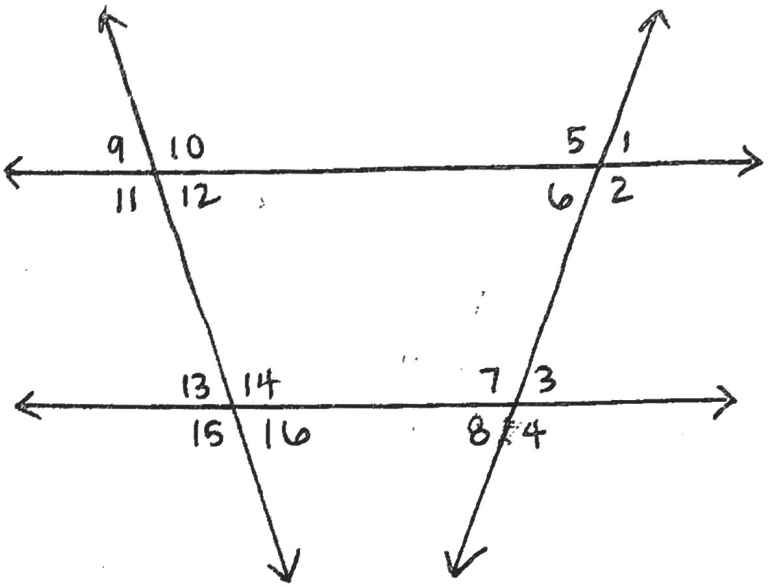
22. m < 7 =

23. m < 1 =

24. m < 13 =

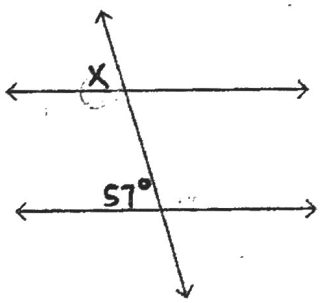
25. m < 10 =

26. m < 14 =

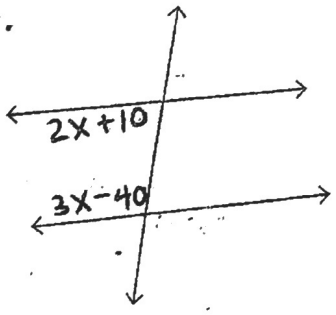


Find the value of x.

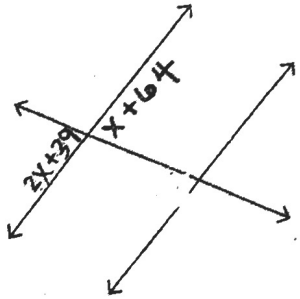
27.



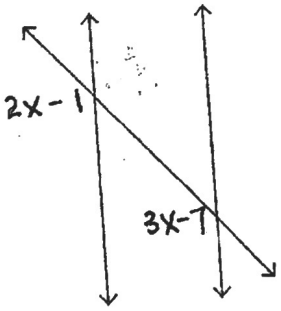
28.



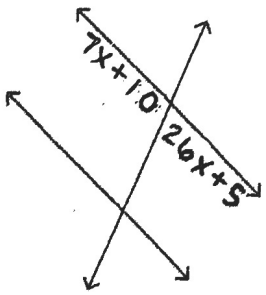
29.



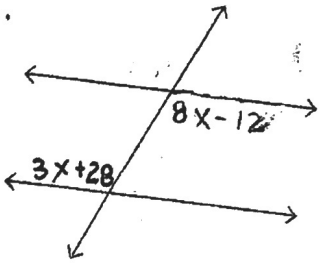
30.



31.



32.



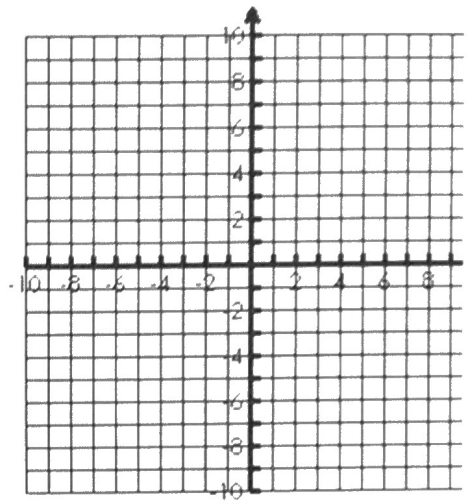
Spiraling
Standard: Transformations

ΔABC has the coordinates A(-8, 6), B(-2, 6), and C(-4, 0).

For each of the following transformations, write the coordinates of the image of ΔA'B'C'. Use the coordinate plane to help you.

1. Translate 3 right and 4 down.

A' _____ B' _____ C' _____



2. Reflect over the x-axis.

A' _____ B' _____ C' _____

3. Rotate 90° counterclockwise about the origin.

A' _____ B' _____ C' _____

4. Rotate 180° clockwise about the origin.

A' _____ B' _____ C' _____