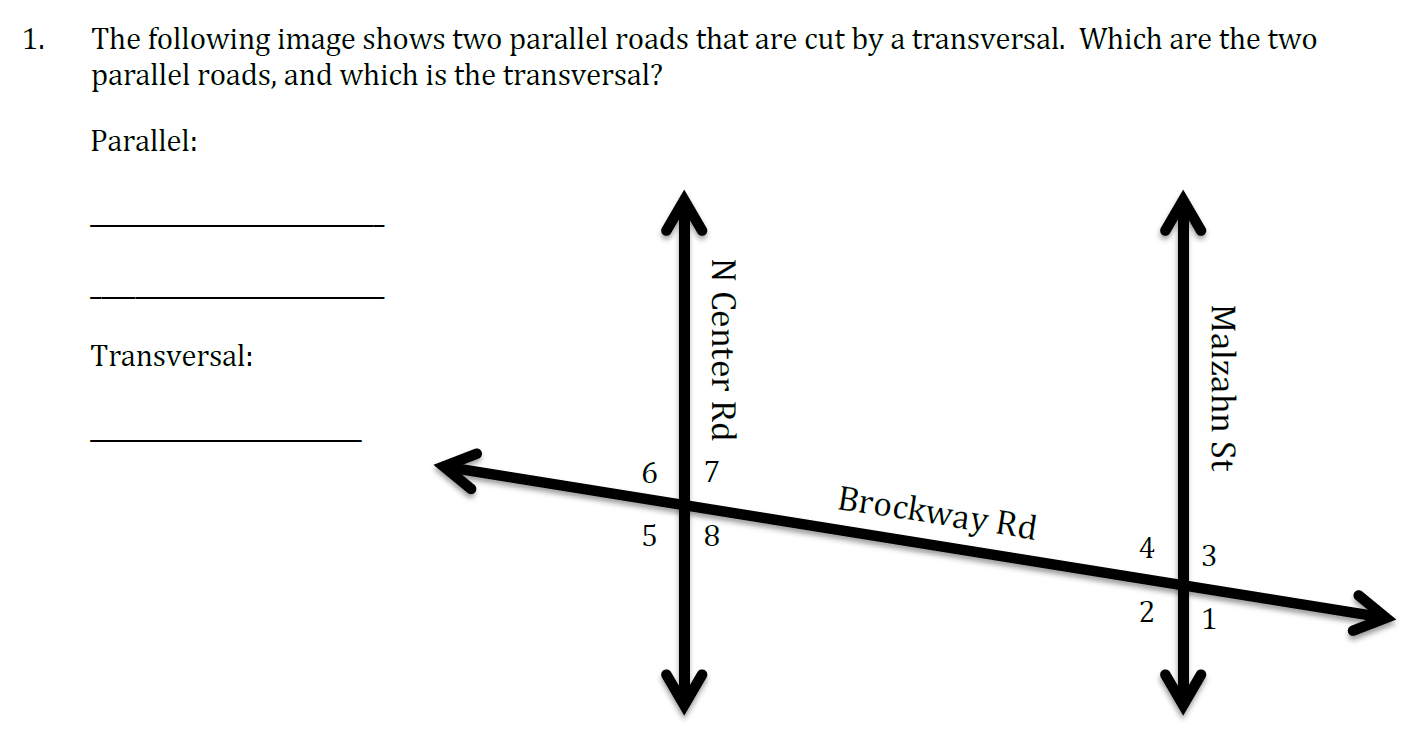
Unit 2 Part 1 Review #2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

Standard: Parallel Lines Cut by a Transversal



6

8

5

7

Sesame St.

Boyce Rd.

3

1

2

Earle Rd

4

Using the image above, name multiple pairs of each of the following angles.

2. Vertical Angles: and and and

3. Corresponding Angles: and and and

4. Alternate Exterior Angles: and and

5. Linear Pair: and and and

6. Same-side Interior Angles: and and

7. Same-side Exterior Angles: and and

8. Alternate Interior Angles: and and

Tell whether each pair of angles are either **supplementary** or **congruent**. Circle your answer.

9. Alternate Exterior Angles: supplementary congruent

10. Same-side Interior Angles: supplementary congruent

11. Vertical Angles: supplementary congruent

12. Alternate Interior Angles: supplementary congruent

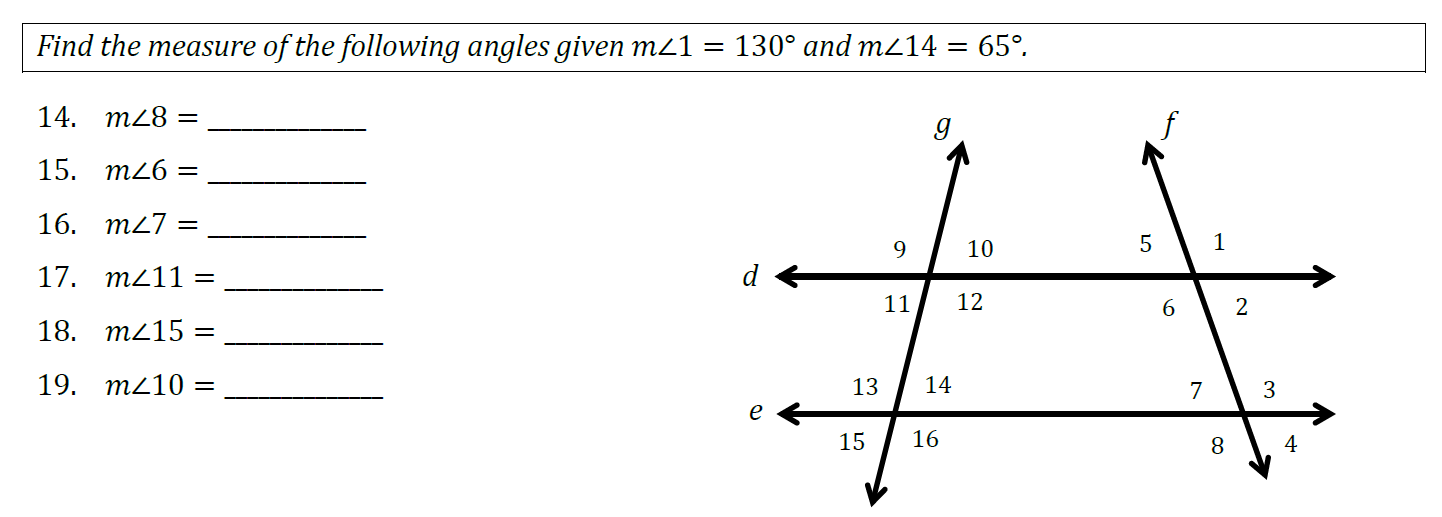
13. Corresponding Angles: supplementary congruent

14. Linear Pairs: supplementary congruent

15. What does supplementary mean?

16. What does congruent mean?

Find the measure of ALL of the angles given and.

17. = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

= \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_

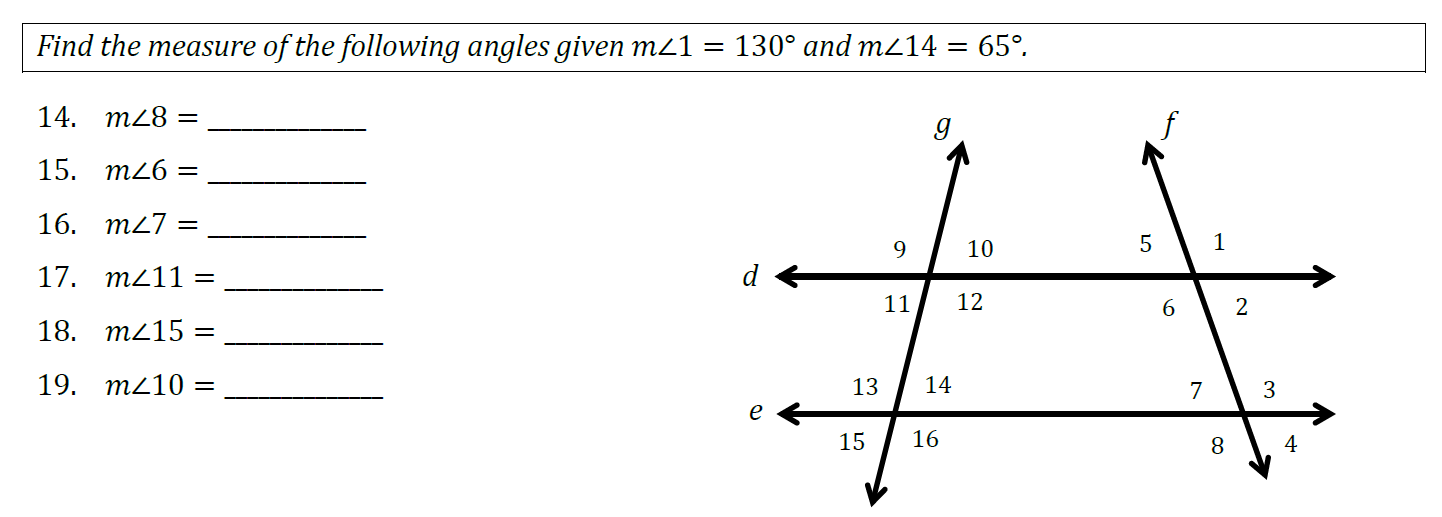
= \_\_\_\_\_

18. = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

= \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

= \_\_\_\_\_ = \_\_\_\_\_

Find the measure of ALL of the angles given and.



18. = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

16

= \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_

= \_\_\_\_\_

4

19. = \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

14

10

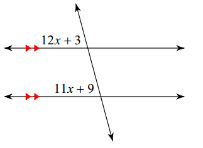
13

6

= \_\_\_\_\_, = \_\_\_\_\_, = \_\_\_\_\_,

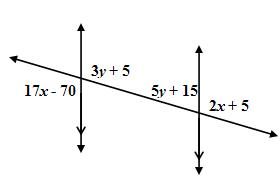
= \_\_\_\_\_ = \_\_\_\_\_

20. Which way is the correct setup?

A. 12x + 3 + 11x + 9 = 180

B. 12x + 3 = 11x + 9

C. 12x + 3 + 11x + 9 = 90

21. Which way is the correct setup for BOTH?

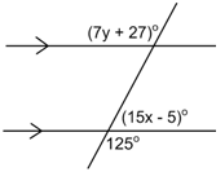
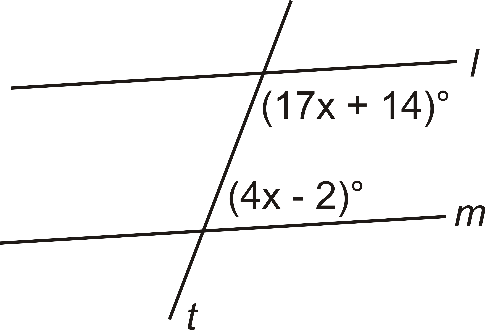
A. 17x – 70 = 2x + 5 and 3y + 5 = 5y + 15

B. 17x – 70 + 2x + 5 = 180 and 3y + 5 = 5y + 15

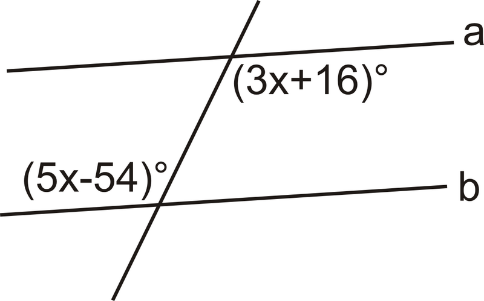
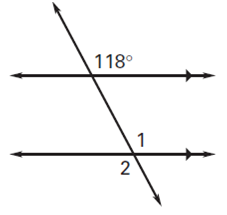
C. 17x – 70 = 2x + 5 and 3y + 5 + 5y + 15 = 180

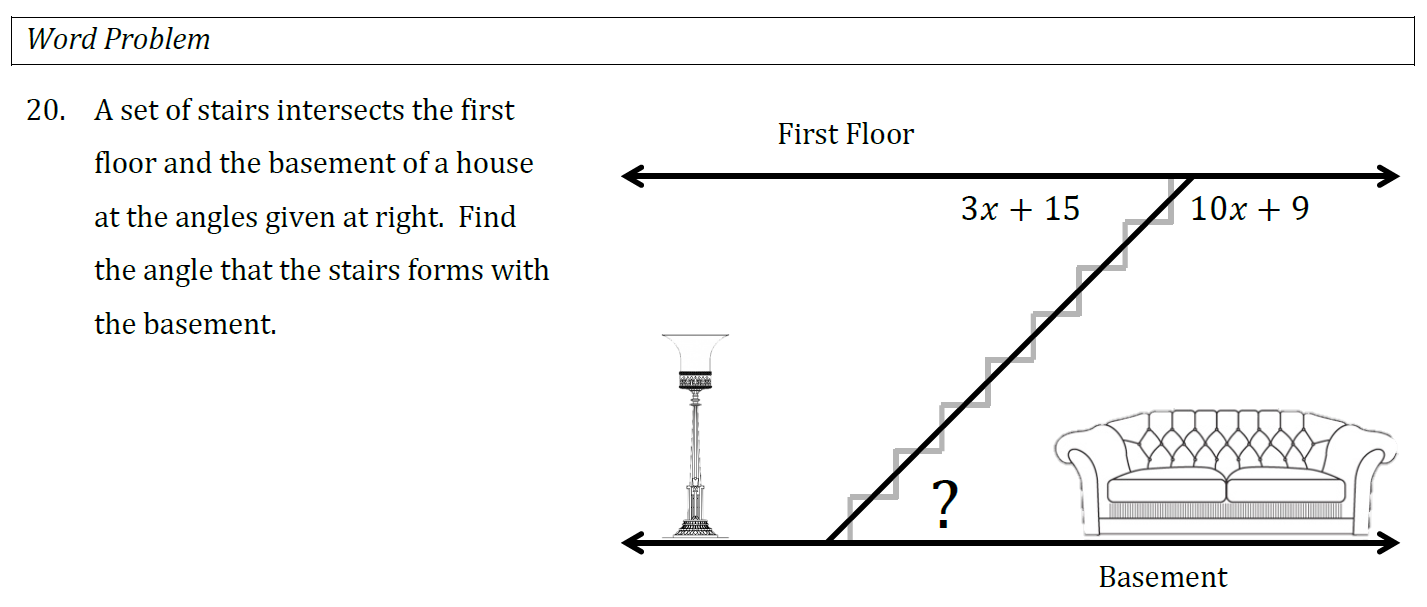
C. 17x – 70 + 2x + 5 = 180 and 3y + 5 + 5y + 15 = 180

22. Solve for x and y. 23. Solve for x.

24. Solve for x. 25. Find the measures of Angle 1 and 2.



A set of stairs intersects the first floor and the basement of a house at the angles given in the diagram. Find the angle that the stairs forms with the first floor.

?

6x - 42

2x + 14

26.