Name: _____

Math 1 Test Chapter 7, Practice Test

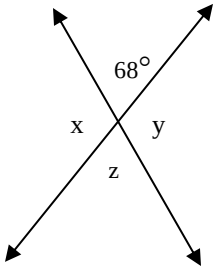
Find the value of x in each figure:

1. Find the measures of angles x, y, and z in the figure below

x = ____

y = ____

z = ____



2. The measure of angle D is 37 degrees

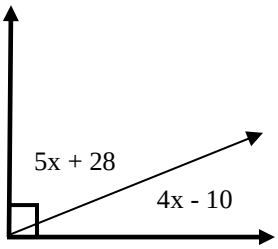
a. Angle D and angle E are complementary

Find the measure of angle E _____

b. Angle D and angle G are supplementary

Find the measure of angle G _____

3. Find the value of x in the figure below



4. ∠C and ∠D are supplementary

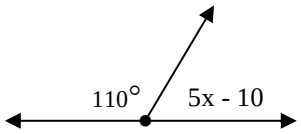
m∠C = 2x - 35

m∠D = 4x - 25

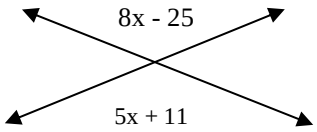
Find x.

Find the value of x in each figure:

5.



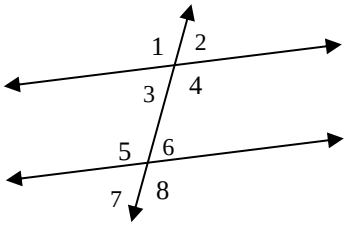
6.



For problems 7 and 8

Name each pair of angles (corresponding, alternate interior, same-side interior, or alternate exterior):

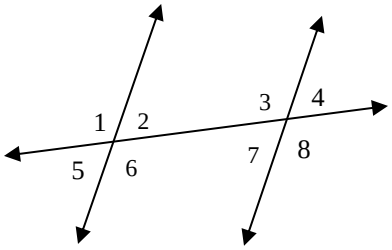
7.



Angles 3 and 6: _____

Angles 1 and 5: _____

8.

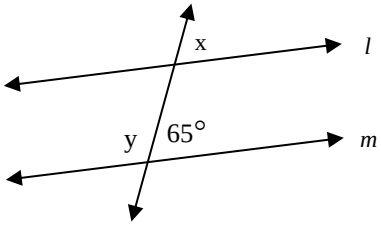


Angles 1 and 8: _____

Angles 6 and 7: _____

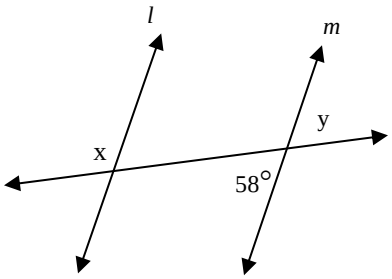
9. Given lines *l* and *m* are parallel

Find the measures of x and y



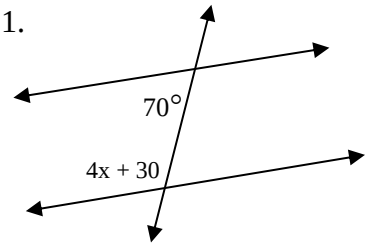
10. Given lines *l* and *m* are parallel

Find the measures of x and y

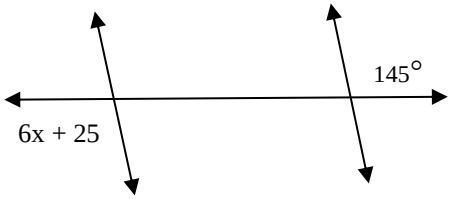


Find the value of x in each figure given that the lines are parallel:

11.

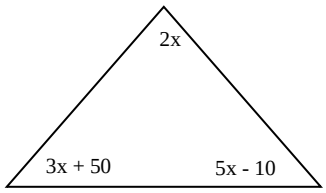


12.

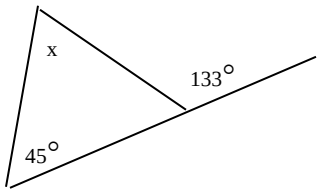


Find the value of x in each triangle

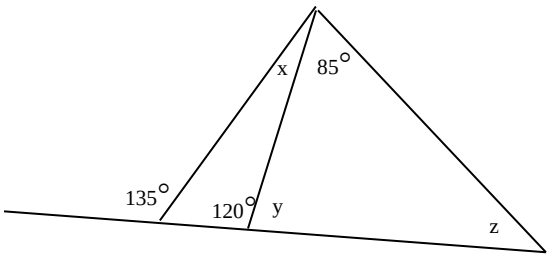
13.



14.

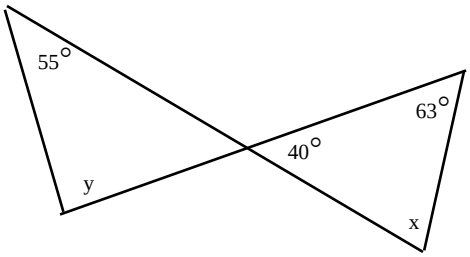


15. Find the values of x, y and z in the figure



x = _____, y = _____, z = _____

16. Find the values of x and y in the figure



x = _____, y = _____

Review:

17. Solve for x

$(6^{2x+9})(6^{5x-4}) = 6^{19}$

18. Find an exponential function for the function given in the table

x	0	1	2	3
f(x)	80	40	20	10

19. Find the distance between the points

(5, -9) and (-3, -5)

20. Use inductive reasoning to find the next two values in the sequence

50, 45, 39, 32, ___, ____