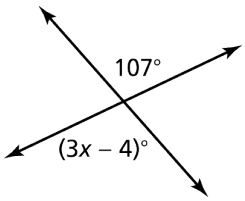
Chapter 7 Review for Test - Part 1

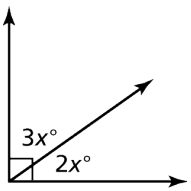
Name _____ Date _____ Per ____

Tell whether the angles are *adjacent* or *vertical*. Then find the value of *x*.

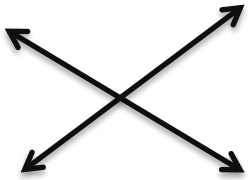
1.



2.

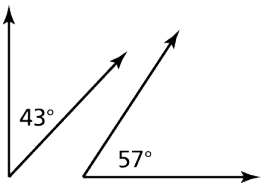


3. Angle 1 and angle 2 are supplementary. Angle 2 is vertical to a 128° angle.
What are the measures of angle 1 and angle 2? (labeling diagram is not required, but recommended)



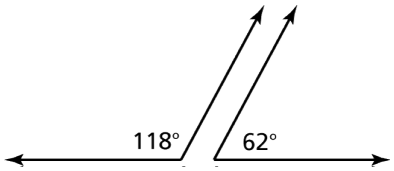
Tell whether the angles are *complementary, supplementary,* or *neither*.

4.



Total degree measure:

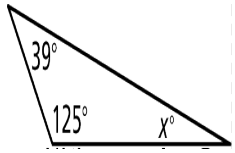
5.



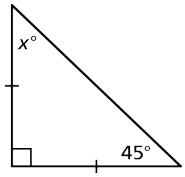
Total degree measure:

Find the value of *x*. Then classify the triangle by angles and sides.
(***By Angle:*** *Acute, Obtuse, Right or Equiangular* **AND** ***By sides:*** *Scalene, Isosceles or equilateral)*

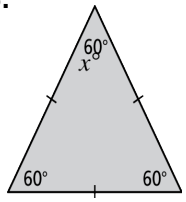
6.



7.



8.



DRAW a TRIANGLE with the given angle measures. Then CLASSIFY the triangle.
(*Classify* ***By Angle:*** *Acute, Obtuse, Right or Equiangular*)

9. 50°, 50°, 80°

10. 35°, 40°, 105°

11. Which 2 quadrilaterals have 4 right angles?

12. Which quadrilateral has exactly one pair of parallel sides?

Answers

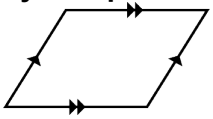
1. _____
   x = _____
2. _____
   x = _____
3. ∠1 = _____
   ∠2 = _____
4. _____
5. _____
6. x = _____
7. x = _____
8. x = _____
9. DRAW left.
10. DRAW left.
11. _____
12. _____

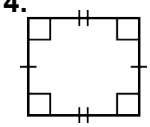
Chapter 7 **Review for Test - Part 2**

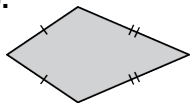
Name _____ Date _____ Per ____

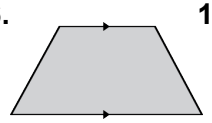
Answers

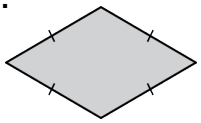
Classify the quadrilateral. *(Trapezoid, kite, parallelogram, square, rectangle, or rhombus)*

13. 

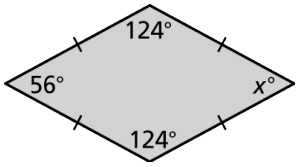
14. 

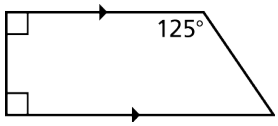
15. 

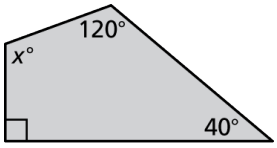
16. 

17. 

Find the value of *x*.

18. 

19. 

20. 

13. _____

14. _____

15. _____

16. _____

17. _____

18. x = _____

19. x = _____

20. x = _____

21. Draw a **PARALLELOGRAM** with a 80° angle and a 100° angle.

.

21. **DRAW left.**

SCALE FACTOR

22. Find the missing dimension. Use the scale factor 1 cm: 9 feet. Label answer.

a) If the Model length is 6 cm, what is the Actual length?

b) If the Actual height is 28 feet, what is the Model height?

22a) Actual= _____

b) Model= _____

23. The scale on a map is 1 in.:50 mi. The actual distance between two cities is 240 miles. What is the map distance between the cities?

23. Map = _____

24. A scale drawing of a painting is 12 inches long and 8 inches tall. The actual painting is 2 feet tall.

a. What is the scale of the drawing (ratio without units)?

b. How LONG is the actual painting?

c. Find the PERIMETER of the actual painting.

d. Find the AREA of the actual painting.

24a) _____

b) _____

c) _____

d) _____