

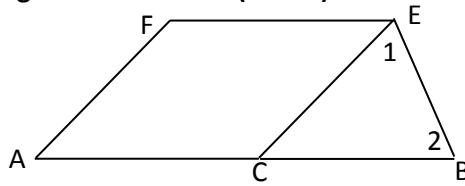
Geometry (G.CO.11)

Unit One B: Review for Special Parallelogram Assessment (HW49)

Name: _____

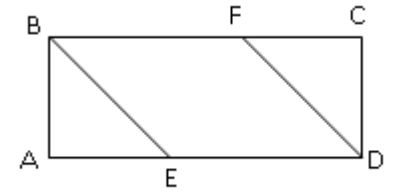
Date: _____ Period: _____

1. Given: ACEF is a rhombus; $\overline{AC} \cong \overline{BC}$
 Prove: $\angle 1 \cong \angle 2$



Statements	Reasons

2. Given: Parallelogram ABCD;
 $\overline{AE} \cong \overline{CF}, \overline{BF} \cong \overline{DE}$



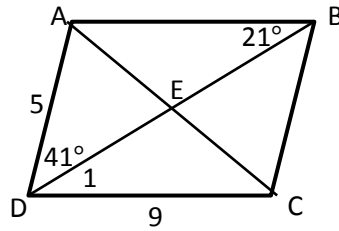
Prove: EBFD is a parallelogram

Statements	Reasons

3. ABCD is a parallelogram. $AC = 8$; $DE = 6$

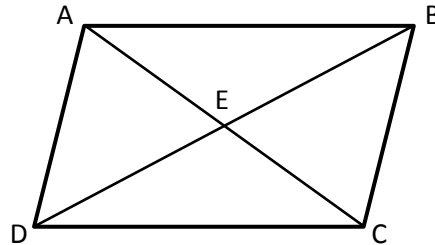
a. $m\angle 1 =$ _____ c. $m\angle ABC =$ _____

b. $AB =$ _____ d. $DB =$ _____



4. ABCD is a parallelogram. $AE = 4x - 3y$; $EC = 13$; $DE = 2x + y$; $BE = 19$

Find x and y .

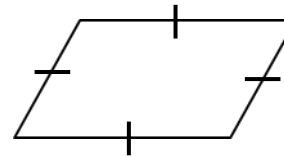


True or False?

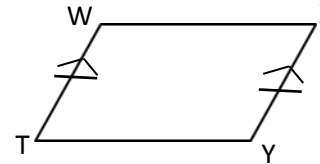
5. Every rhombus is a parallelogram. _____
6. The diagonals of a rhombus bisect each other. _____
7. The diagonals of a rhombus are congruent. _____
8. A rectangle and its diagonals form four congruent triangles. _____
9. A rectangle and its diagonals form four isosceles triangles. _____

10. List all of the quadrilateral names that can correctly be used to describe these figures.

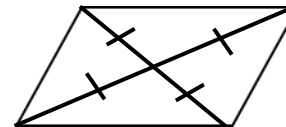
a.



b.



c.



Mark the shapes that have each property.

	Parallelogram	Rhombus	Rectangle	Square
11. The diagonals are perpendicular				
12. The figure has four right angles.				
13. The opposite sides are congruent.				
14. The diagonals are congruent.				
15. The figure has four congruent sides.				
16. The diagonals bisect each other.				
17. The consecutive angles are supp.				
18. Each diagonal bisects opp angles.				

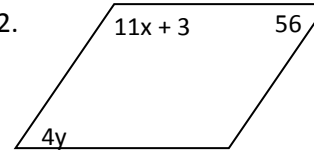
19. Write the equation of a line perpendicular to $2x + 6y = 12$ and goes through $(-3, -2)$.

20. Find the distance between the points $A(3, 6)$ and $B(4, -7)$. Also, find the midpoint of \overline{AB} .

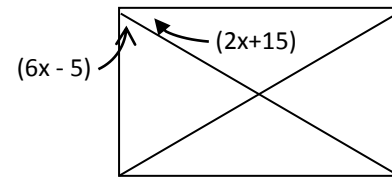
21. Given: Rhombus ABCD.

If $m\angle A = 110$, $m\angle B = 6x - 2$, $x = ?$

22. Given the shape is a rhombus. Find the value for x and y .



23. Given the shape below is a rectangle, find the value for x .



24. The rectangle and square below have equal perimeters. Find the dimensions of each figure.

