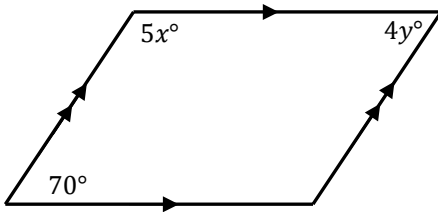


Math 2 Unit 5 Worksheet 5
Mid-Unit Review

Name: _____
Date: _____ **Per:** _____

[1-6] Solve for the variables. Give the best name for each of the following based upon given information and calculations. {Names of Quadrilaterals are: Quadrilateral, Parallelogram, Rectangle, Rhombus, Square, Trapezoid, & Isosceles Trapezoid}

1.

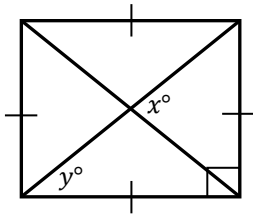


1. $x =$ _____

$y =$ _____

Name: _____

2.

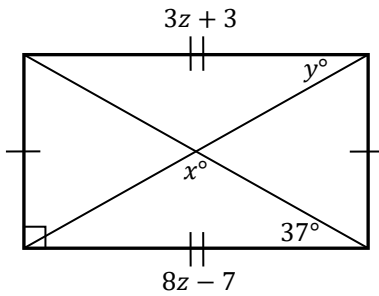


2. $x =$ _____

$y =$ _____

Name: _____

3.



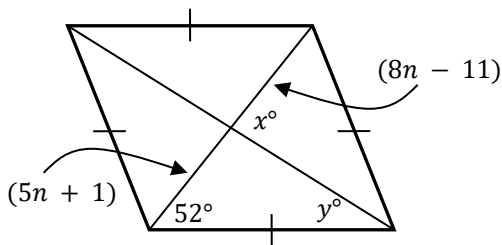
3. $x =$ _____

$y =$ _____

$z =$ _____

Name: _____

4.



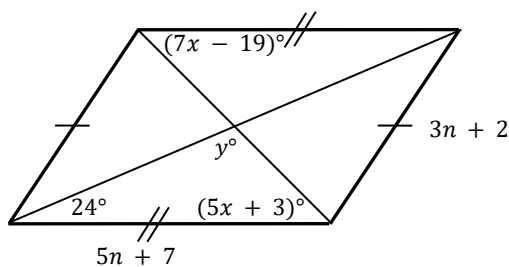
4. $x =$ _____

$y =$ _____

$n =$ _____

Name: _____

5. Perimeter of Quadrilateral is 90 cm



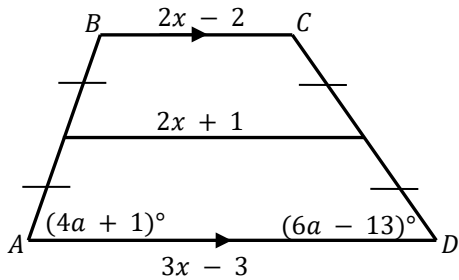
5. $x =$ _____

$y =$ _____

$n =$ _____

Name: _____

6.



6. $x =$ _____

$a =$ _____

Name: _____

7. Find the sum of the measures of the interior angles for the following convex polygon:

17-gon

7. _____

8. Find the measure of each interior angle for the following regular polygon:

Decagon

8. _____

9. Find the measure of each interior angle for the following regular polygon:

Pentagon

9. _____

10. Find the number of sides for a convex polygon whose interior angle sum is:

3060°

10. _____

11. Find the number of sides for the following regular polygons, given:

The measure of each exterior angle is 7.5°

11. _____

12. Complete the below chart on the **Properties of Quadrilaterals**

Property	Parallelogram	Rectangle	Rhombus	Square	Trapezoid
Sum of the interior angles is 360°					
Two pairs of opposite sides are parallel.					
Has exactly one pair of parallel sides.					
Two pairs of opposite sides are congruent.					
All sides are congruent.					
Diagonals are congruent.					
Diagonals are perpendicular.					
A diagonal bisects two angles.					
A diagonal forms two congruent triangles.					
Diagonals bisect each other.					
Opposite angles are congruent.					
All angles are right angles.					
Consecutive interior angles are supplementary.					

[13-24] Write **all**, **some**, or **no**, then explain.

13. _____ rectangles are squares.

14. _____ isosceles trapezoids are parallelograms.

15. _____ rhombuses are quadrilaterals.

16. _____ squares are triangles.

17. _____ rectangles are regular quadrilaterals.

18. _____ quadrilaterals have four congruent angles.

19. _____ rectangles are rhombuses.

20. _____ trapezoids have one pair of opposite sides parallel.

21. _____ trapezoids have two pairs of congruent sides.

22. _____ squares are regular quadrilaterals.

23. _____ trapezoids have four congruent sides.

24. _____ parallelograms have four congruent angles.
