**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Triangle and Quadrilateral Properties Test Review**

1. Find the missing variables in the parallelogram

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1. Find the following for rhombus *PQRS.*
2. $m∠QRT=$
3. $m∠PTS=$
4. $m∠QRS=$
5. $m∠TSR=$
6. $m∠PQR=$

**4**

1. $m∠TQR=$
2. $PR=$
3. $QT=$
4. $QS=$
5. $RS=$



1. Find the following using the kite.
2. $m∠MTI=$
3. $m∠KMI=$
4. $m∠MKE=$
5. $IT=$
6. $KT=$
7. $KE=$
8. $ET=$
9. Perimeter of kite *KITE*
10. What quadrilaterals have all sides congruent?
11. What quadrilaterals have opposite sides congruent?
12. What quadrilaterals have opposite angles congruent?
13. The diagonals of square *DEFG* intersect at *H.* Given that *EH =* 5, find the following.
14. $m∠DHE=$
15. $m∠EFG=$
16. $m∠HGF=$
17. $m∠GDH=$
18. $GH=$
19. $DF=$
20. $DG=$
21. $DE=$
22. Find *x* in the following trapezoids.





1. *ABCD* is an isosceles trapezoid. Find the following values.



1. $m∠BCD=$
2. $m∠BAD=$
3. $x=$
4. $AB=$
5. $CD=$
6. What quadrilaterals have perpendicular diagonals?
7. What quadrilaterals have congruent diagonals?
8. What quadrilaterals have diagonals that bisect each other?
9. What properties do a square and rhombus share?

14. Identify the center of each triangle. You will use the following centers: Centroid, Circumcenter, Orthocenter, and Incenter.



15. PW = 7, what is PV?



16. Given that two of the medians are shown and ZV = 12, what is EZ?

