6.6 Notes Day 1 - Properties of Kites and Trapezoids

What do you know already?! Please list (or draw a picture of) everything you know about kites and trapezoids!

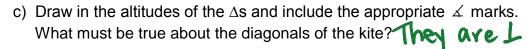
Kites

Trapezoids

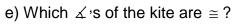
If you place two isosceles Δ 's together (base-to-base), you make a quadrilateral called a $\underline{\mathsf{LHC}}$

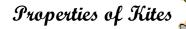
a) In the kite to the right, which sides appear to be congruent? AS 3 BC AD SOD



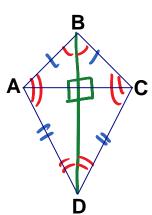






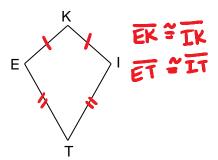


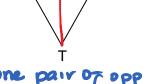
EI IS L

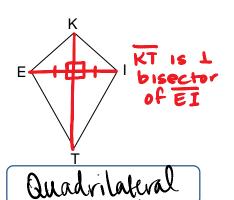


#1 2 pairs of consecutive #2 Diagonals are 1 Sides are =

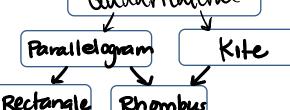
#3 One diagonal is the

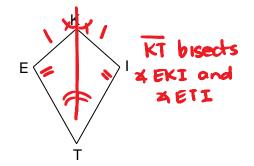


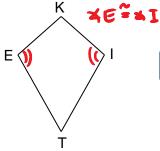


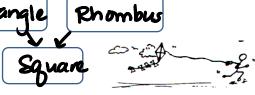


#4 One diagonal bisects a pair of opp

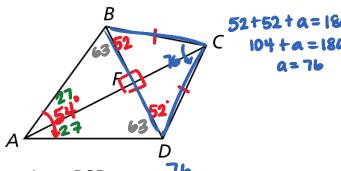






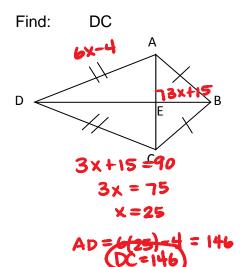


 In Kite ABCD, m∠DAB = 54°, and m∠CDF = 52°. Find each measure.



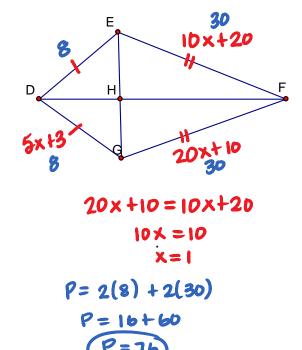
- a) m∠BCD = _____**7**6.
- b) m∠ABC = **63**
- c) m∠FDA = _____**63**°

2) Given: ABCD is a Kite AD = 6x - 4 $\angle AEB = 3x + 15$



3) Given: $\overline{DE} \cong \overline{DG}$ EF = 10x + 20 GF = 20x + 10DG = 5x + 3

Find the perimeter of Kite DEFG.



4) Given: KITE is a Kite. $m\angle KPI = 5x + 30$ KP = 5x $m\angle KIP = 24^{\circ}$

