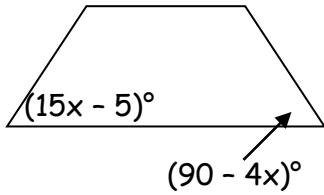


10.3-10.4 Trapezoids and Kites HW
Pre-AP Geometry

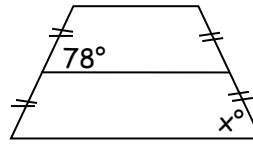
Name _____
 Period _____ Date _____

Find the value of the variable in each. #1-6 are isosceles trapezoids, # 7 is not isosceles

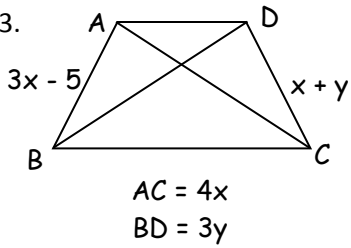
1.



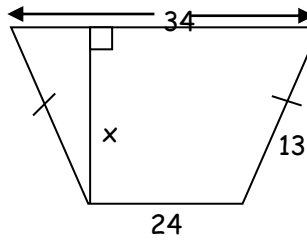
2.



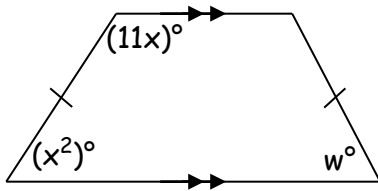
3.



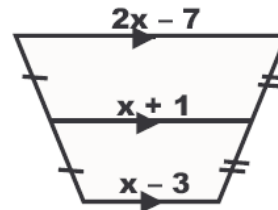
4.



5.



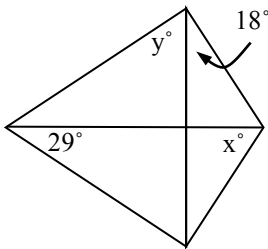
6.



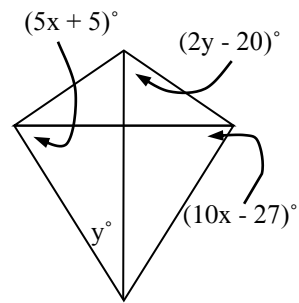
7. RSTV is an isosceles trapezoid with legs RV and TS. The diagonals intersect at W. $RT = 84$. $VW = x^2$. $WS = 2x + x^2$. Find RW.

Solve for the variables:

8.



9.



10. Given kite RSTW. If $SW = 8$, find RT to nearest thousandths.

