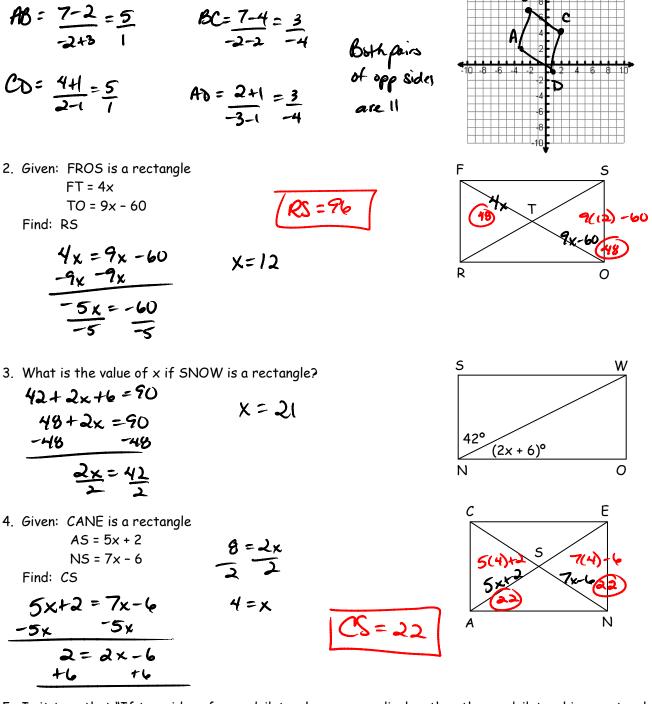
	Name:
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Geometry G 6.4 Homework Worksheet

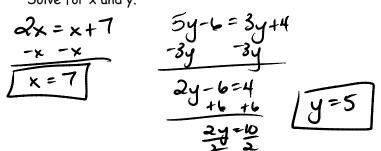
1. Quadrilateral ABCD has vertices A (-3, 2), B (-2, 7), C (2, 4), and D (1, -1). Justify that quadrilateral ABCD is a parallelogram.

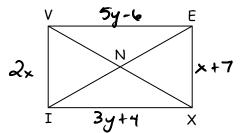


5. Is it true that "If two sides of a quadrilateral are perpendicular, then the quadrilateral is a rectangle?" If not, draw a counter example.



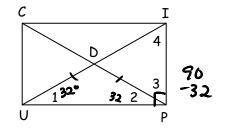
 Given: VIXE is a rectangle, VI = 2x EX = x + 7, VE =5y - 6, IX = 3y + 4 Solve for x and y.

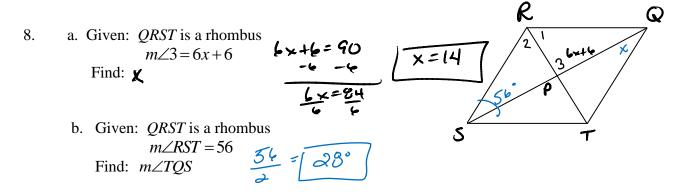




7. If CUPI is a rectangle and  $m \angle 1 = 32^{\circ}$ , find the  $m \angle 2$ ,  $m \angle 3$ ,  $m \angle 4$ .

mL2= 32° mL3=58° mL4=58°





9. Given: Rhombus RHOM RH = 2x+3 HO = 5xFind: a. x

- b. RM 5
- c. *m∠RBH 90°*

d.  $m \angle HOM$  if  $m \angle RHO = 83.2$  %.8°

