Practice Worksheet for Lessons 5-1 and 5-2 Name:

Mailbox #:

Write the property(s) that let you answer each problem # 1 - 13

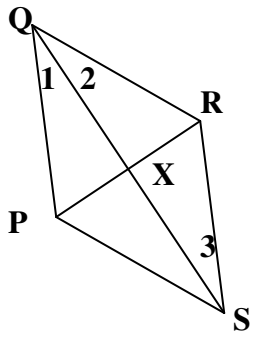
Given that PQRS is a parallelogram, complete the following.

1) If PS = 5, then QR = _____

2) If PR = 20, then PX = _____

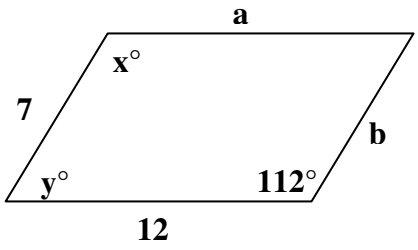
3) If m< QPS = 125, then m< QRS = _____ and m< PQR = m< PSR = _____

4) If m< 1 = 27 and m< 2 = 30, then m< 3 = _____ and m< PSR = _____

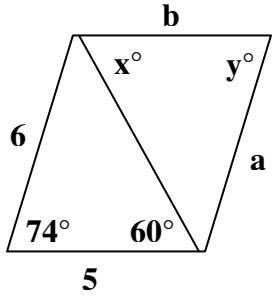


In numbers 5 – 8, the quadrilateral is a parallelogram. Find the values of a, b, x, and y.

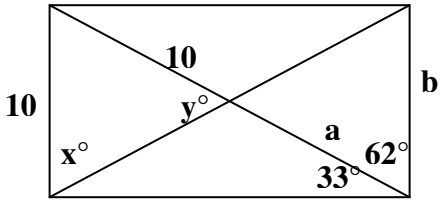
5)



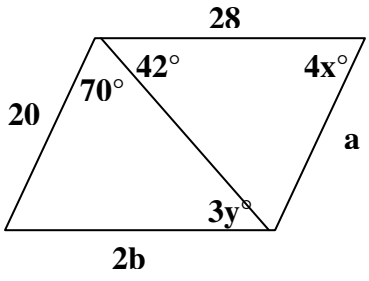
6)



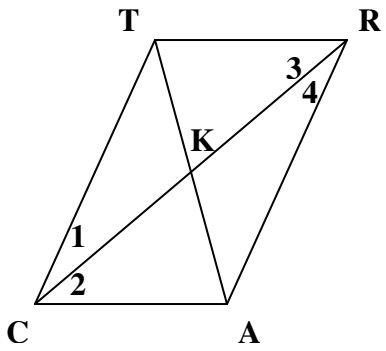
7)



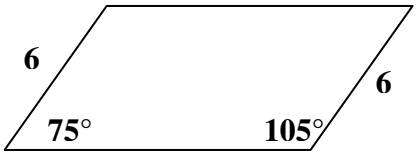
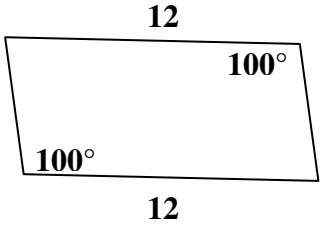
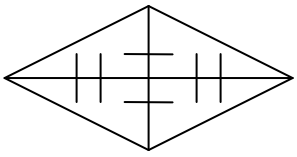
8)



Given parallelogram TRAC, solve for x.

9) If TC = 3x – 5 and RA = 25 10) If TK = 2x + 7 and KA = 15 11) If m< 2 = 2x – 5 and m< 3 = x + 17 12) If m< RTC = 120 and m< CAR = 8x 13) If m< CTR = 2x – 13 and m< ACT = x + 1	

Decide if each quadrilateral must be a parallelogram. If the answer is yes, state the definition or theorem that applies.

14) 	15) 
16) 	17)