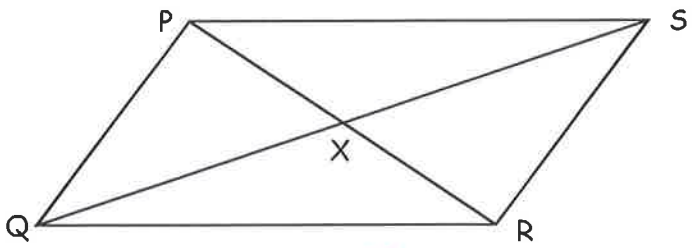
Geometry/Trig 2 Name _____

5-4 Class work Date _____ Block _____

I – Fill in the blank. Information does not carry over from problem to problem.

1. PQRS is a parallelogram.



a. If PQ = 5, then RS = 5.

b. If PR = 20, then PX = 10.

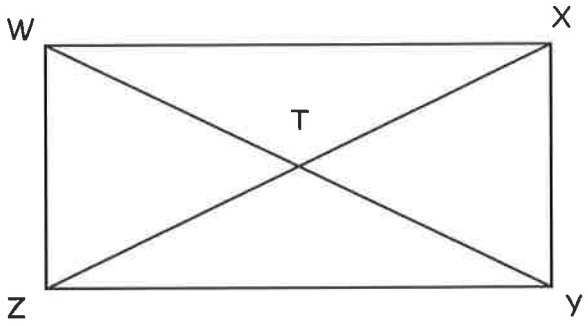
c. If m∠QPS= 125, then m∠SRQ = 125°.

d. If m∠PQR= 72, then m∠QRS = 108°.

e. If m∠QPX = 65, then m∠SRX = 65°.

f. If m∠QPX = 80, and m∠QRX = 40, then m∠PSR = 60°.

2. WXYZ is a rectangle.



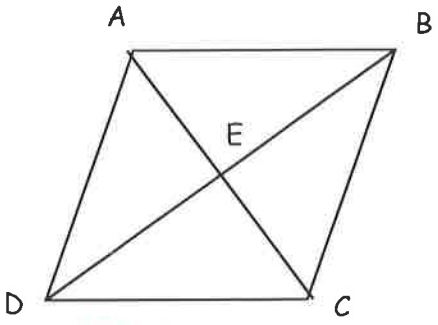
a. If TX = 4.5, then WY = 9.

b. m∠WZY = 90°.

c. If m∠TWZ = 70, then m∠TZW = 70° and m∠WTZ = 40°.

d. If WY = 3x + 16 and ZX = 5x - 18, then x = 17.

3. ABCD is a rhombus.



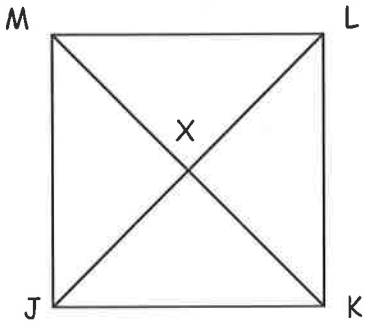
a. m∠AEB = 90°.

b. If AD = 13, then AB = 13.

c. If m∠DAB = 130, then m∠ABE = 25°.

d. If m∠ADE = 25, then m∠CDE = 25°.

4. MLKJ is a square.



a. m∠JMK = 45°.

b. m∠LXK = 90°.

c. If JL = 18, then MK = 18, JX = 9, and XK = 9.