Parallelogram Properties Remediation Practice

Name _____ Date _____ Block _____

Find the value of x and y that would make the following quadrilaterals parallelograms.

1.

$(2x+6)°$

$(y)°$ $(x+26)°$

2.   3y
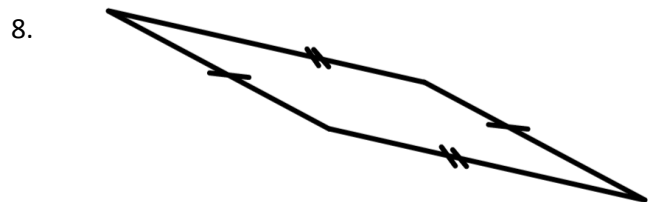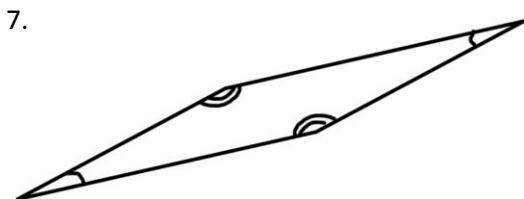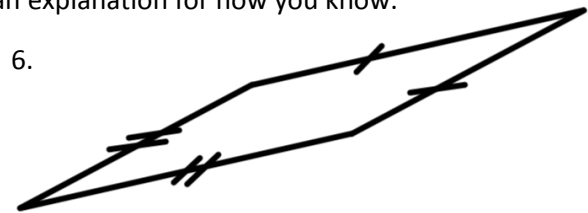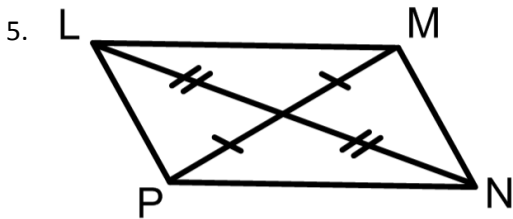
2z+8   4z-2

2y+2

3.   A   B

x+1   y+6

2y+4   E   2x-9

D   C

4. *GHIJ* is a rectangle. Find the value of x.

G   H

x+5   K   3x - 8

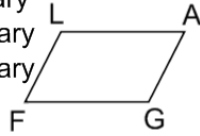J   I
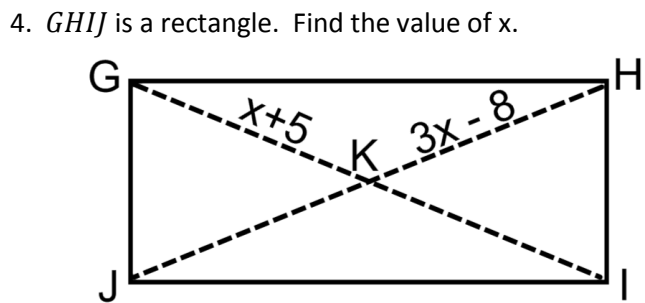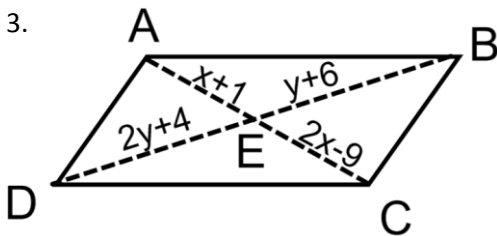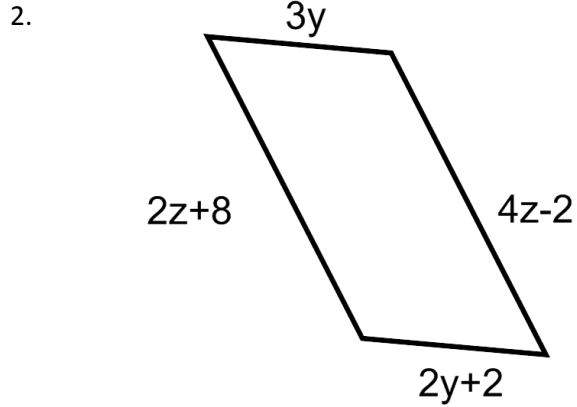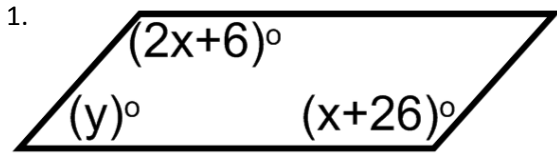
Could the following quadrilaterals be parallelograms? Provide an explanation for how you know.

5. L   M

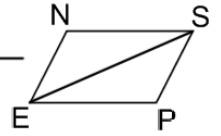P   N

6.

7.

8.

Parallelogram Properties Remediation Practice

Name _____ Date _____ Block _____

5. Given: FLAG is a parallelogram
   Prove: ∠F and ∠L are supplementary
   ∠L and ∠A are supplementary
   ∠A and ∠G are supplementary
   ∠G and ∠F are supplementary

Statement	Reason

6. Given: PENS is a parallelogram
   Prove: PE≅NS and EN≅SP

Statement	Reason

7. Given: LUCK is a parallelogram
   Prove: LY≅CY and UY≅KY
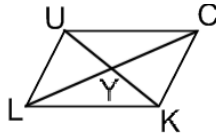
Statement	Reason

8. Given: JKLM is a parallelogram
   Prove: ∠MON≅∠NKM and ∠KMO≅∠ONK

Statement	Reason