Geometry

8.2 Use Properties of Parallelograms

# Definition of parallelogram

parallel

Quadrilateral

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with opposite sides \_\_\_\_\_\_\_\_\_\_

congruent

sides

Opposite \_\_\_\_\_\_\_\_ of parallelogram are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

congruent

angles

Opposite \_\_\_\_\_\_\_\_ of a parallelogram are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

supplementary

angles

Consecutive \_\_\_\_\_\_\_\_\_ in a parallelogram are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

bisect

Diagonals

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a parallelogram \_\_\_\_\_\_\_\_\_\_ each other

Find x, y, and z

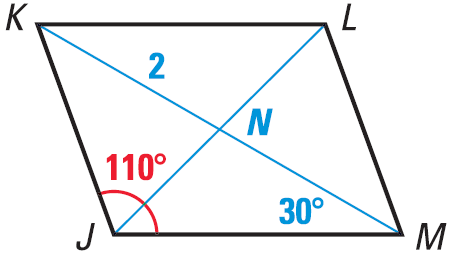
y

20°

z°

42

x°

Find NM

Diagonals of parallelogram bisect each other

Find mJML

Consecurive angles are supplementary

Find mKML

Assignment: 518 #4-28 even, 32, 36, 43, 44, 46-56 even = 23

Extra Credit: 521 #2, 4 = +2