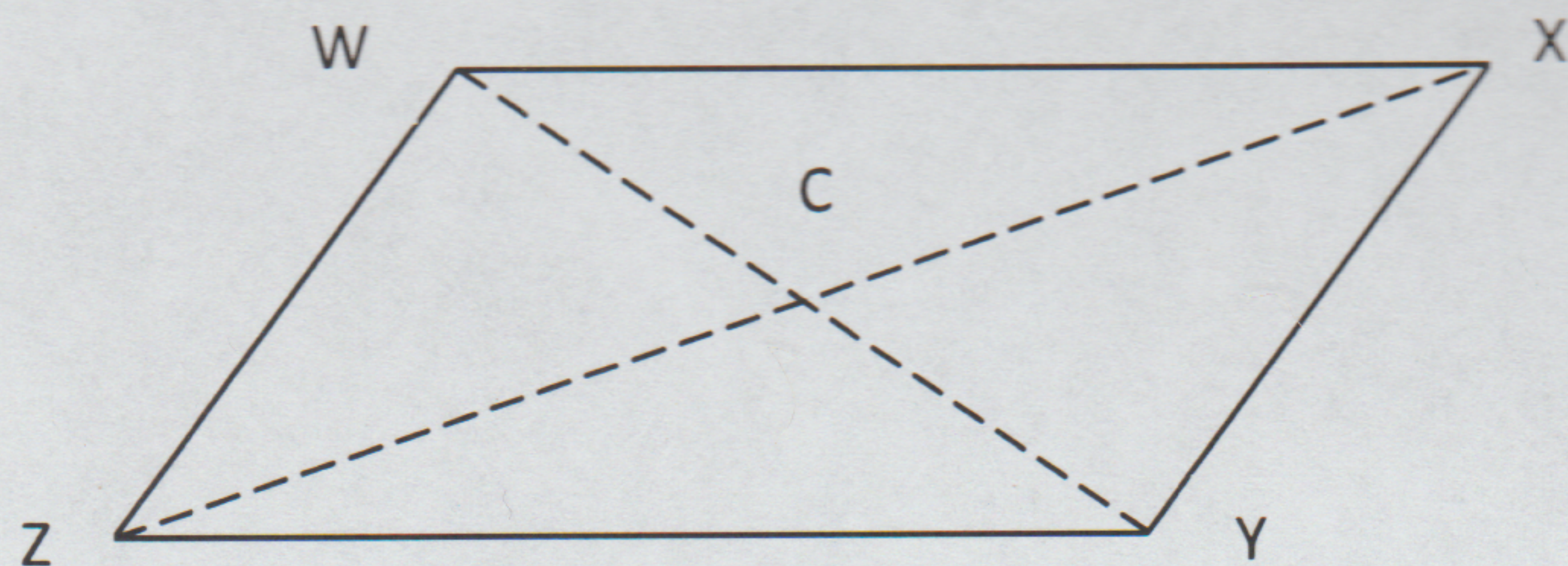


Course: Geometry
Unit: Quadrilaterals and Polygons
Section: Parallelograms

Assignment: Parallelogram Proofs
Points: 50

1. Given parallelogram WXYZ, complete each statement and state the property or definition that justifies your answer. [1 point for each blank and 2 points for justification. 20 points total.]



a. $\overline{WZ} \parallel$ _____

Justification:

b. $\overline{ZC} \cong$ _____

and $\overline{YC} \cong$ _____

Justification:

c. $\angle WXY \cong$ _____

Justification:

d. $WC = \frac{1}{2}$ _____

and $XC = \frac{1}{2}$ _____

Justification:

e. $\angle XYZ$ and _____ are supplementary.

Justification:

f. $\angle WCX \cong$ _____

Justification: