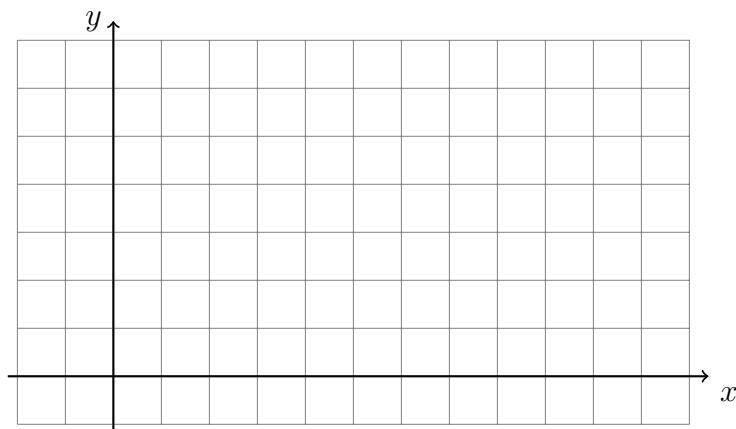


Name:

11.1 Parallelograms

1. Given parallelogram $SNOW$ with $S(2, 1)$, $N(7, 1)$, $O(10, 5)$, $W(5, 5)$

(a) Sketch $SNOW$, labeling the vertices.



(b) Find the area of the parallelogram.

(c) Find the length of each side of the parallelogram.

(d) Find the slopes of the diagonals, \overline{SO} and \overline{NW} .

(e) Are the diagonals parallel, perpendicular, or neither? Justify your answer.