

$$mPQ = \frac{8-3}{3-2} = \frac{5}{5} = 17$$

$$mRS = -4-1 = -5 = 1$$

$$mPS = -4-3 = -7 = -7$$

$$mQR = 8-1 = 7 = -7$$

Diagonals:

$$mPR = \frac{3-1}{-2-4} = \frac{2}{-6} = \frac{1}{3}$$

$$mQS = \frac{8-4}{3-1} = \frac{12}{4} = 3$$

pars is a rhombus blc it has 2 pairs of 11 sides and I diagonals.

Prove PORS is NOT a square Since the slopes are not negative reciprocals

of each other, & therefore not I, then there is no rt. & in PQRS. 50

PORS is not a square

art. 4