Linear Measure classwork



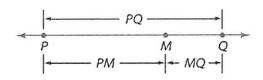
What is or is not above a pair of letters is meaningful in geometry!

Line \overrightarrow{AB}

Segment \overline{AB}

Measure AB (distance between points A & B)

Betweenness



Example: Point M is between points P & Q only if P, Q, and M are collinear.

Create an equation with the line segments above: PM + MQ = PQ

Ex #1: Find y and QP if P is between Q and R, QP = 2y, QR = 3y + 1, and PR = 21.

Ex #2: Find x and BC if B is between A and C, AC = 4x - 12, AB = x, and BC = 2x + 3

A B C L 4x-12 4+2x+3=4x-12 3x+3=4x-12-3x+12-3x+12

B(=2x+3) $B(=2(15)^{1}+3)$ BC=33