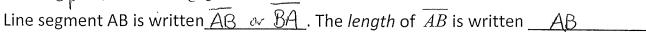
## Geometry Notes: 1-2; Linear Measure

Name hear

Date <u>9/10/15</u>

Line Segment: (segment) can be measured because it has two endpoints. A segment

WHErepoints A and B IN NO Arrows

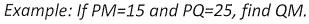


AB is a <u>Segment</u> (a thing)!!!; AB is a <u>Measure</u> (a number)!!!

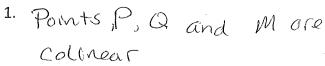
Example: In the figure below, if PM=10 and MQ=20, find PQ. PM + MQ = PQ

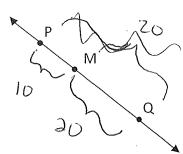
10+20=30

15 m 25 pm + MQ = PQ 15 + MQ = 25 2 - 5 - 15

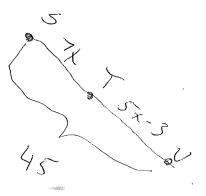


Betweenness of points: Point M is between P and Q if and only if (iff):





Example 1: Find x and ST if T is between S and U, ST=7x, SU=45,



## Example 2:

If AB = 4x, BC = 6x, and AB = 24, find x and BC.

How  $\pm 24 = 4x$  (6(6) = 36

Construction: Accurately creating geometric figures without Measuring. Fools

\*\*\*Most methods use only a Pencil, Strightedge, and/or a Compress.