1.3 Midpoints and Distance

To name a segment write AB

To refer to the length of a segment,

or “the distance from A to B” write AB =

Distance Formula (Use to find the length of a segment on a coordinate plane)

Ex. Find AB if A(-3, 8) and B(10, -2)

Midpoint- Point on a segment that divides it into two congruent segments.

Segment Bisector- Intersects the segment at its midpoint.

Midpoint Formula (on a coordinate plane)

Ex. Find M the midpoint of RS if R(1, -3) and S(4, 2).

Ex. J(1, 2) and M(4, -1). Find K so that M is the midpoint of JK.