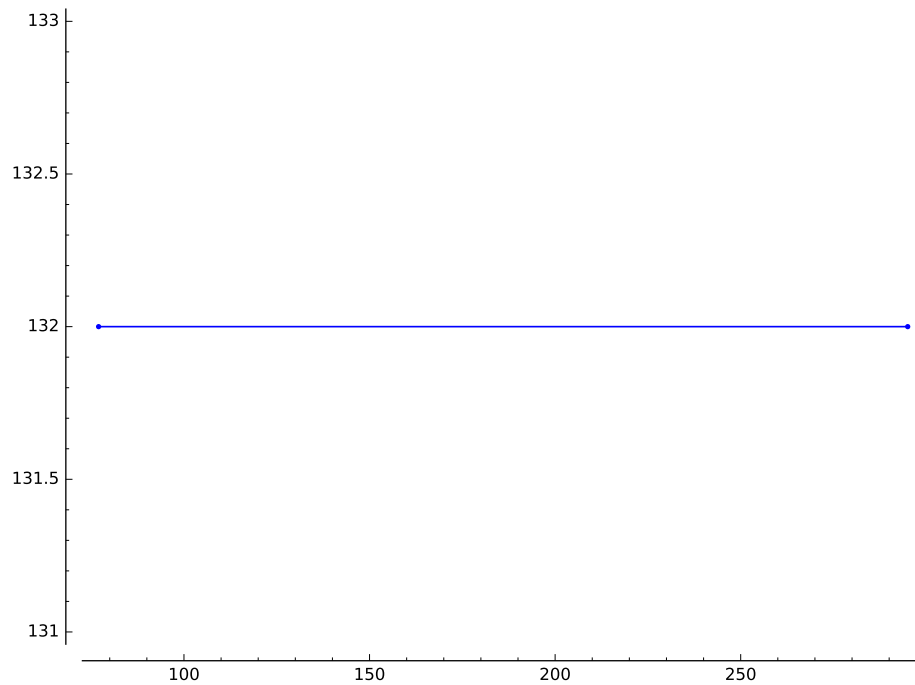


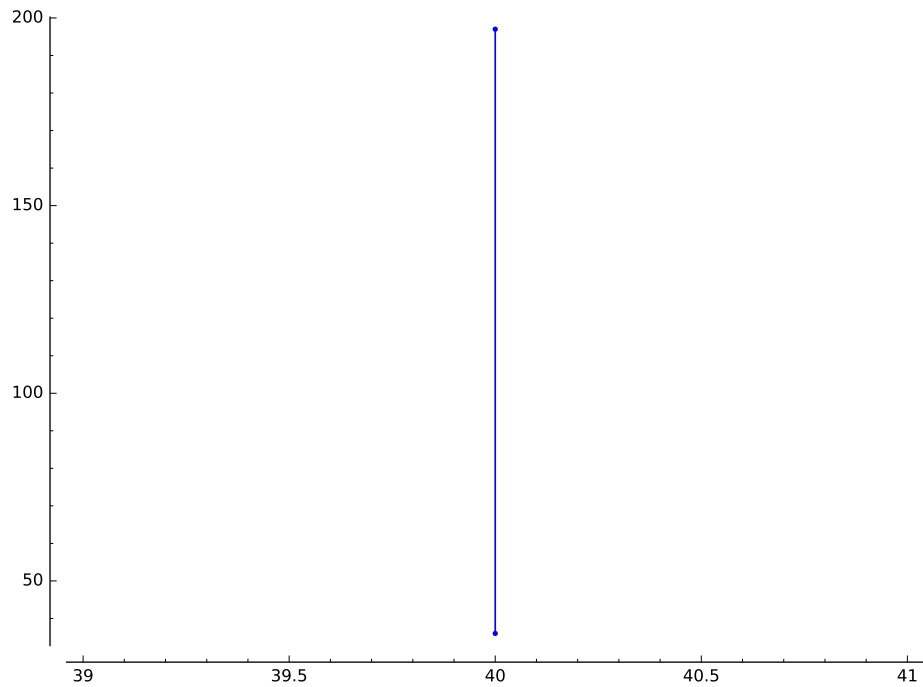
Homework 3

Jaxon

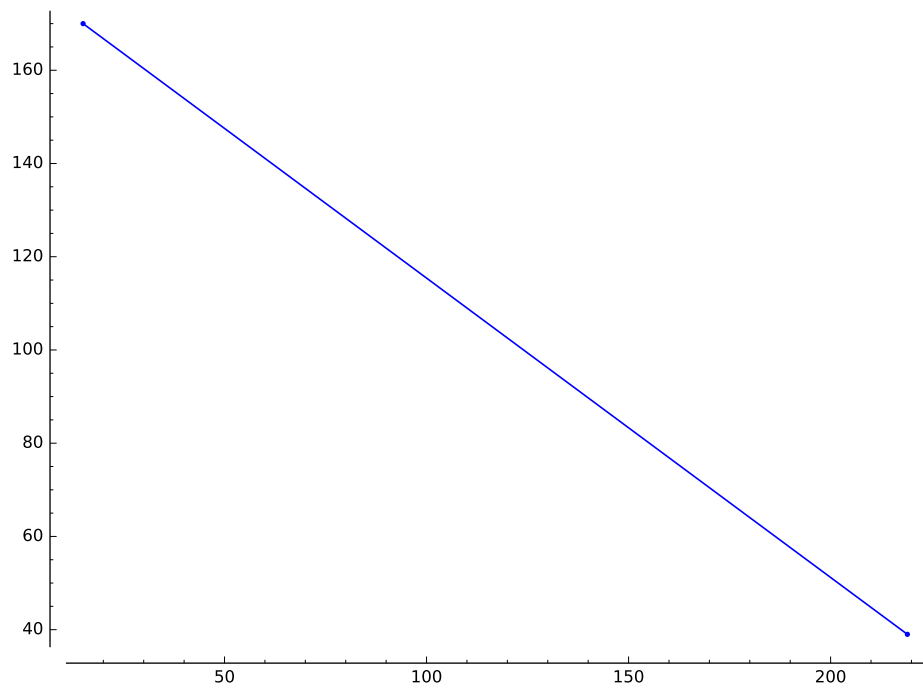
August 24, 2018



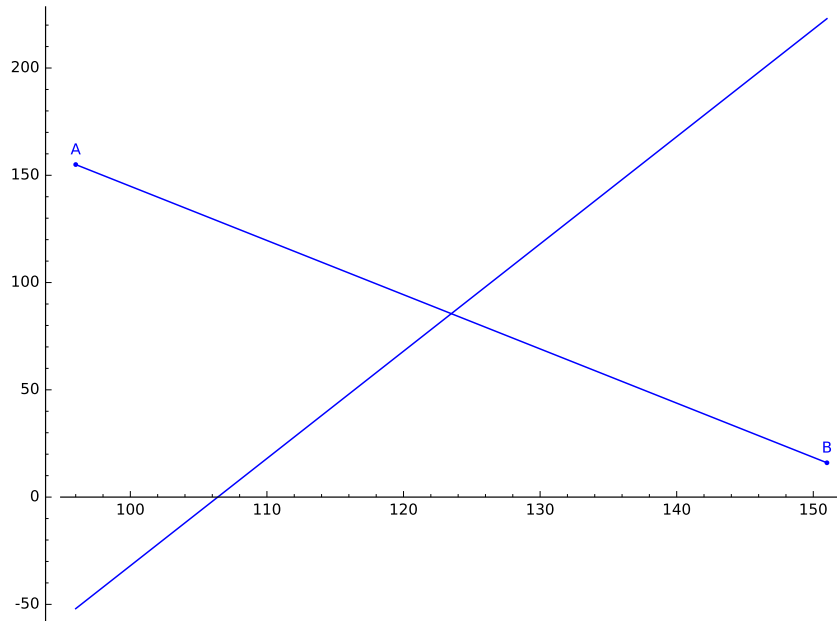
Problem 1. Given $A(77, 132)$ and $B(295, 132)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



Problem 2. Given $A(40, 197)$ and $B(40, 36)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



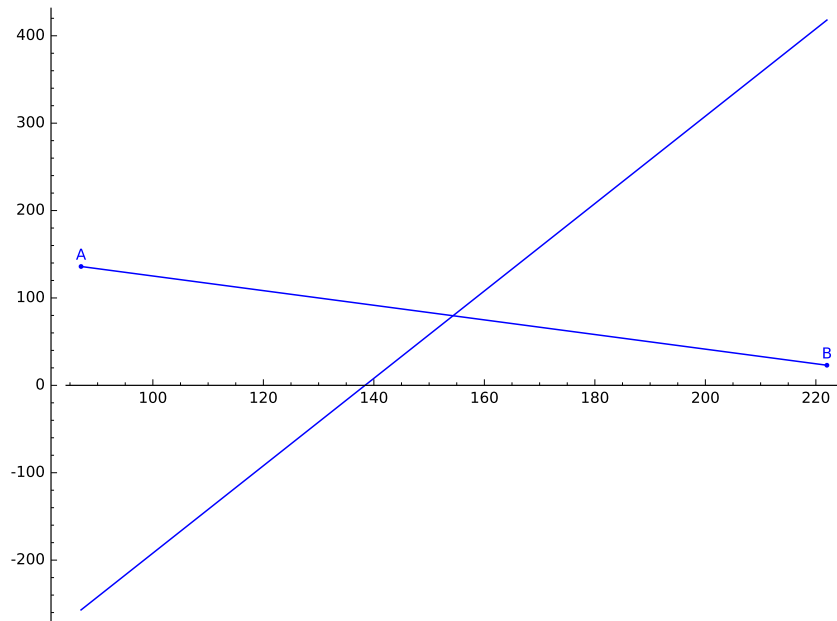
Problem 3. Given $A(15, 170)$ and $B(219, 39)$, calculate the midpoint of \overline{AB} .



Problem 4. Given $A(96, 155)$ and $B(151, 16)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = 5x - 532.0000000000000$$

bisects \overline{AB} .



Problem 5. Given $A(87, 136)$ and $B(222, 23)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = 5x - 692.0000000000000$$

bisects \overline{AB} .