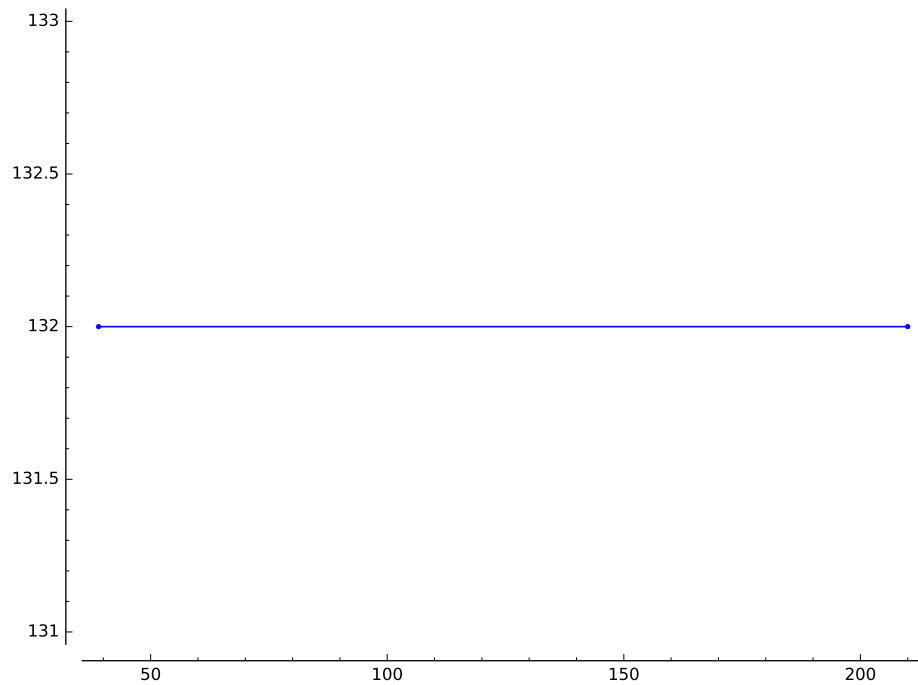


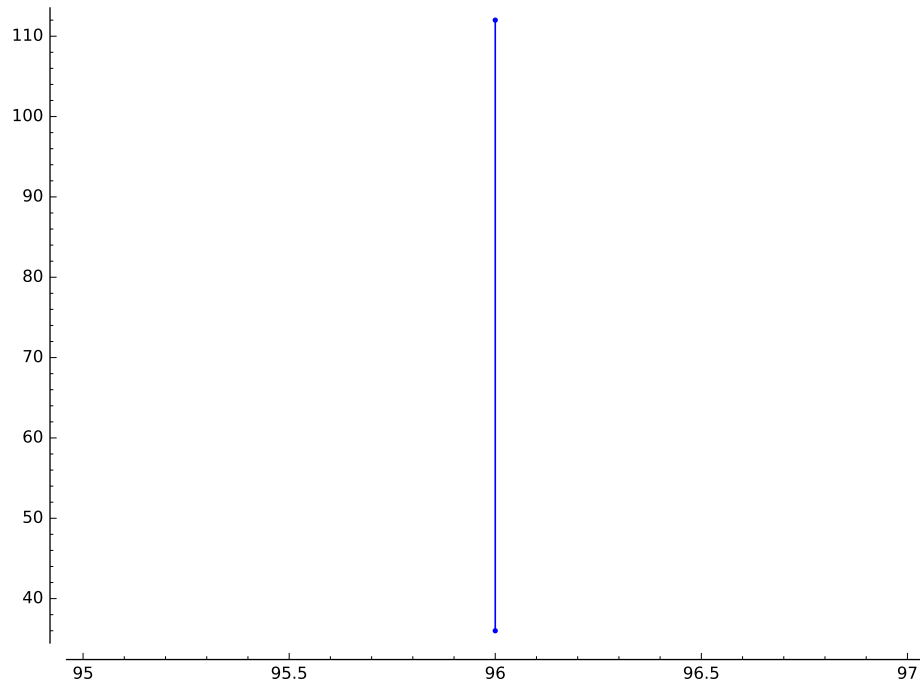
Homework 3

Angel

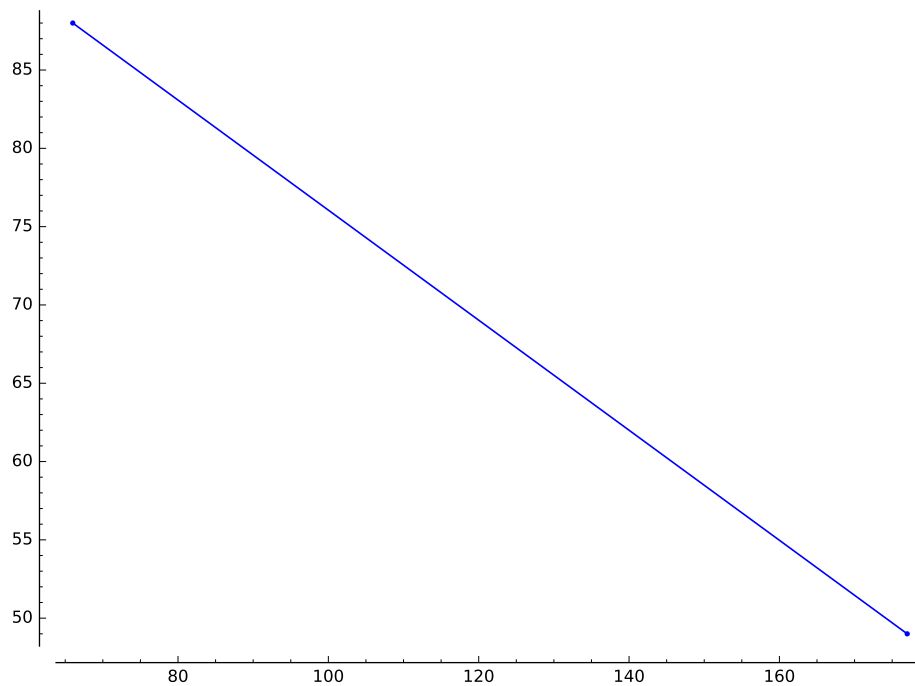
August 24, 2018



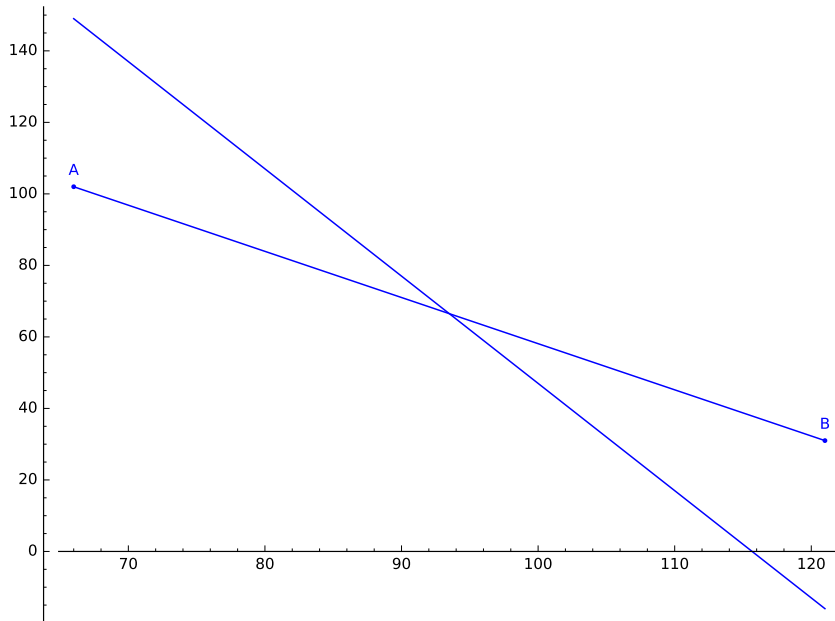
Problem 1. Given $A(39, 132)$ and $B(210, 132)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



Problem 2. Given $A(96, 112)$ and $B(96, 36)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



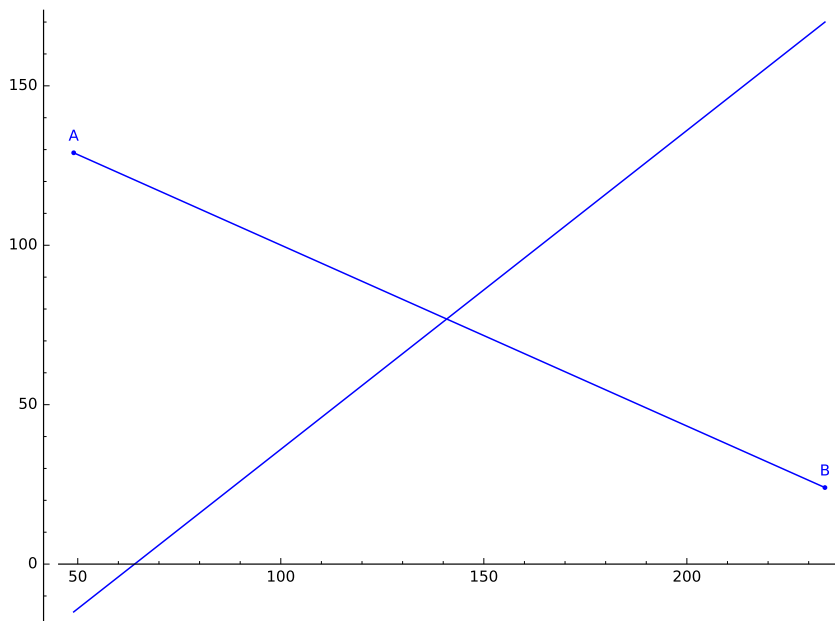
Problem 3. Given $A(66, 88)$ and $B(177, 49)$, calculate the midpoint of \overline{AB} .



Problem 4. Given $A(66, 102)$ and $B(121, 31)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = -3x + 347.000000000000$$

bisects \overline{AB} .



Problem 5. Given $A(49, 129)$ and $B(234, 24)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = x - 64.000000000000$$

bisects \overline{AB} .