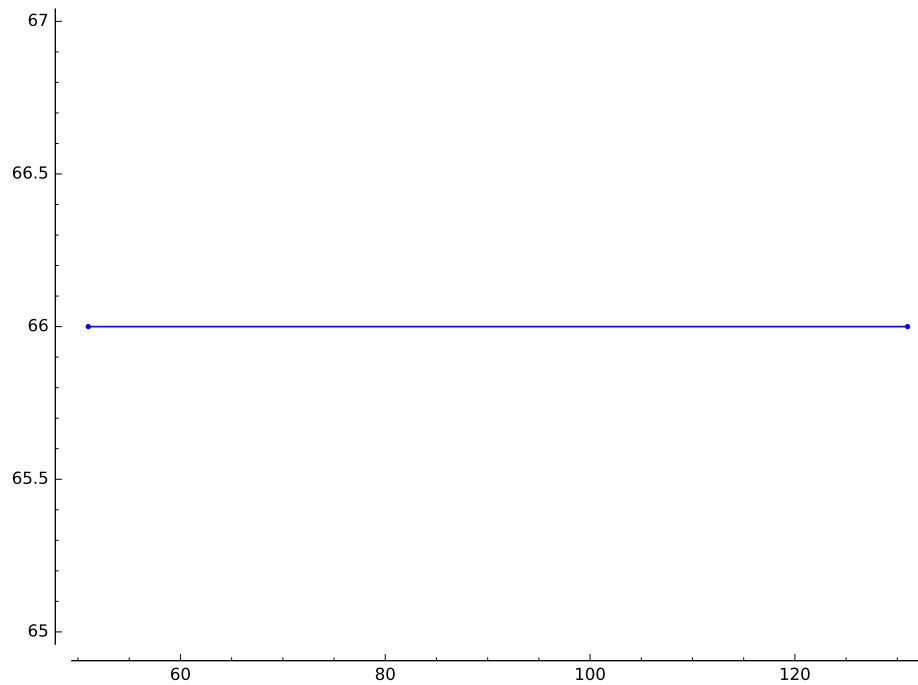


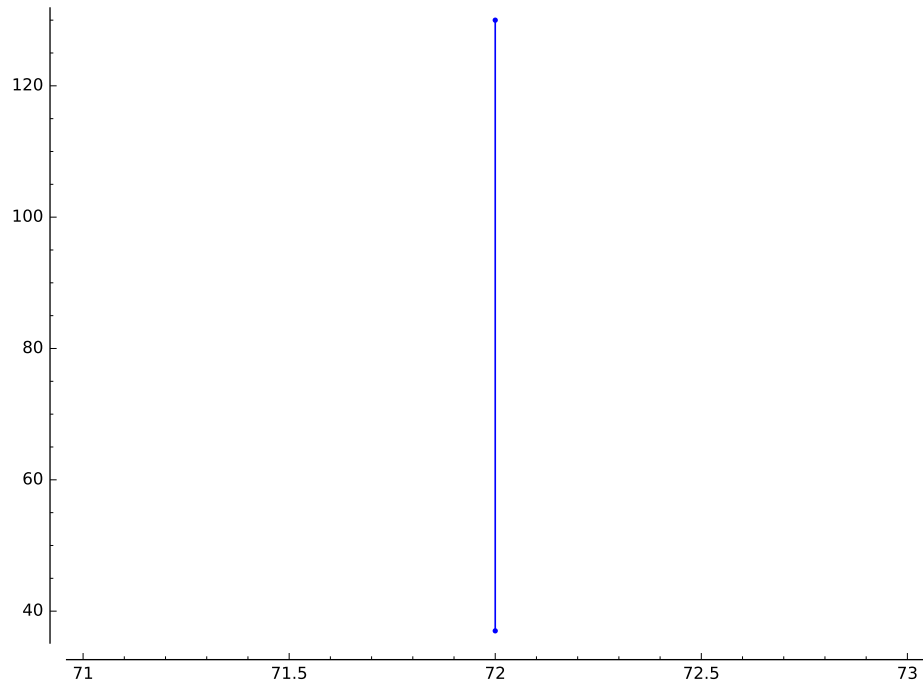
Homework 3

Lindsay

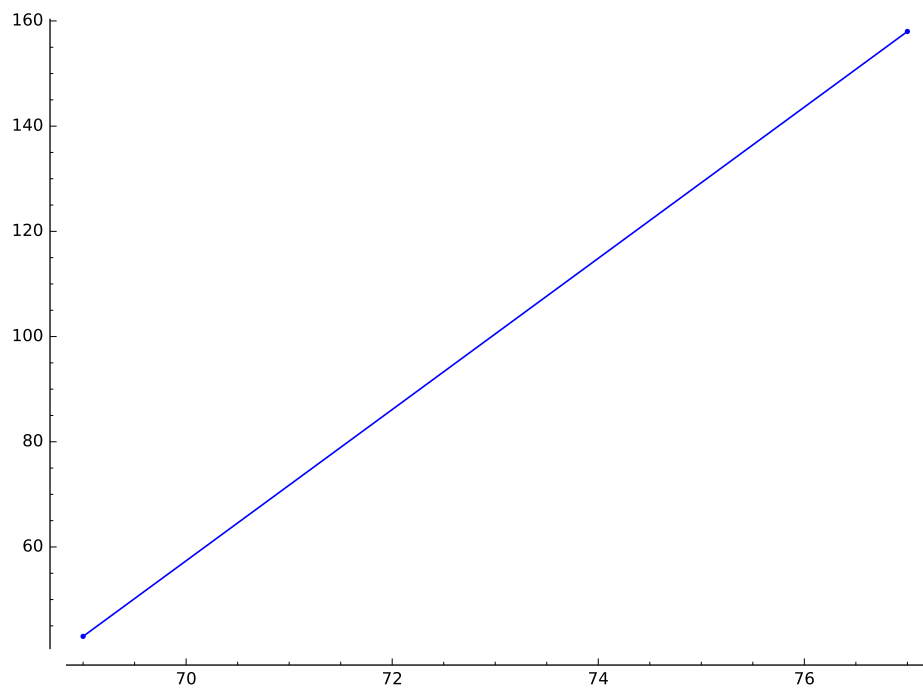
August 24, 2018



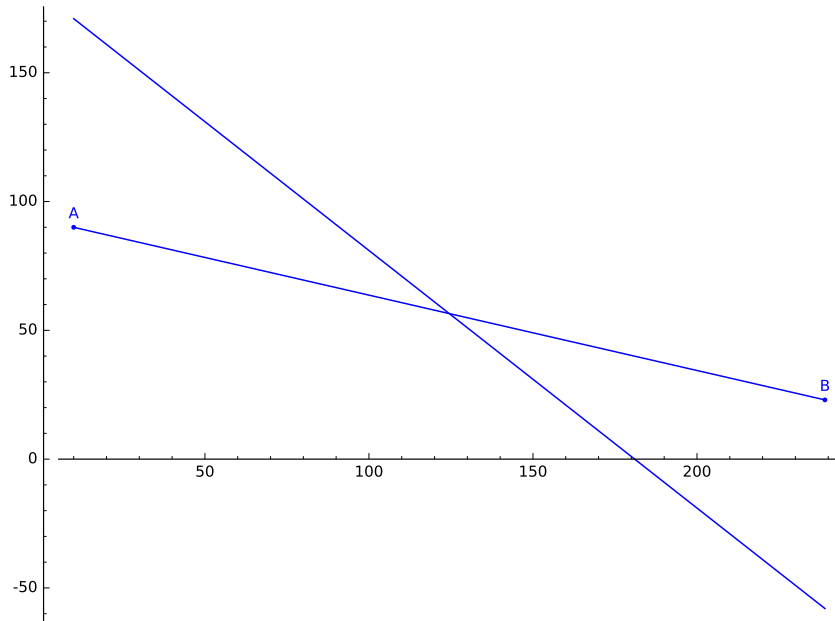
Problem 1. Given $A(51, 66)$ and $B(131, 66)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



Problem 2. Given $A(72, 130)$ and $B(72, 37)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



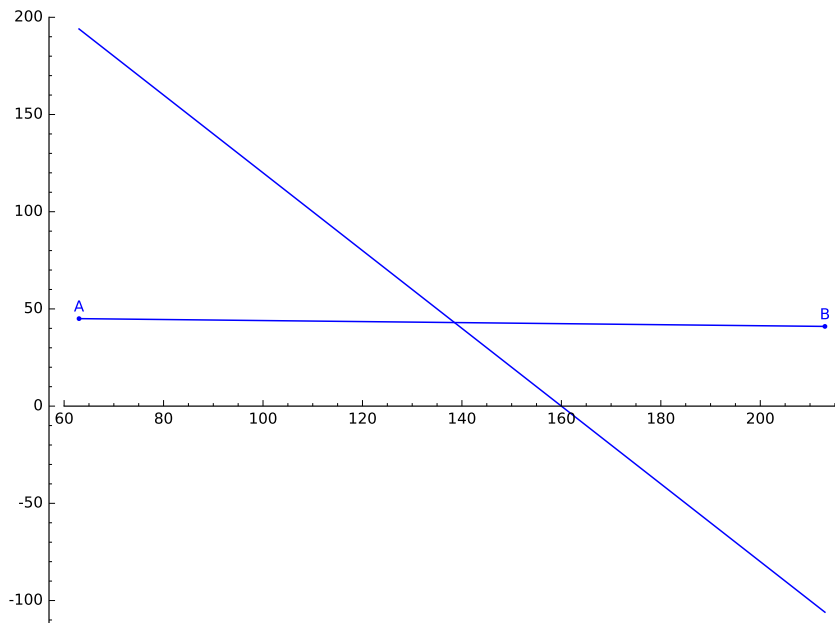
Problem 3. Given $A(77, 158)$ and $B(69, 43)$, calculate the midpoint of \overline{AB} .



Problem 4. Given $A(10, 90)$ and $B(239, 23)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = -x + 181.000000000000$$

bisects \overline{AB} .



Problem 5. Given $A(63, 45)$ and $B(213, 41)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = -2x + 320.000000000000$$

bisects \overline{AB} .