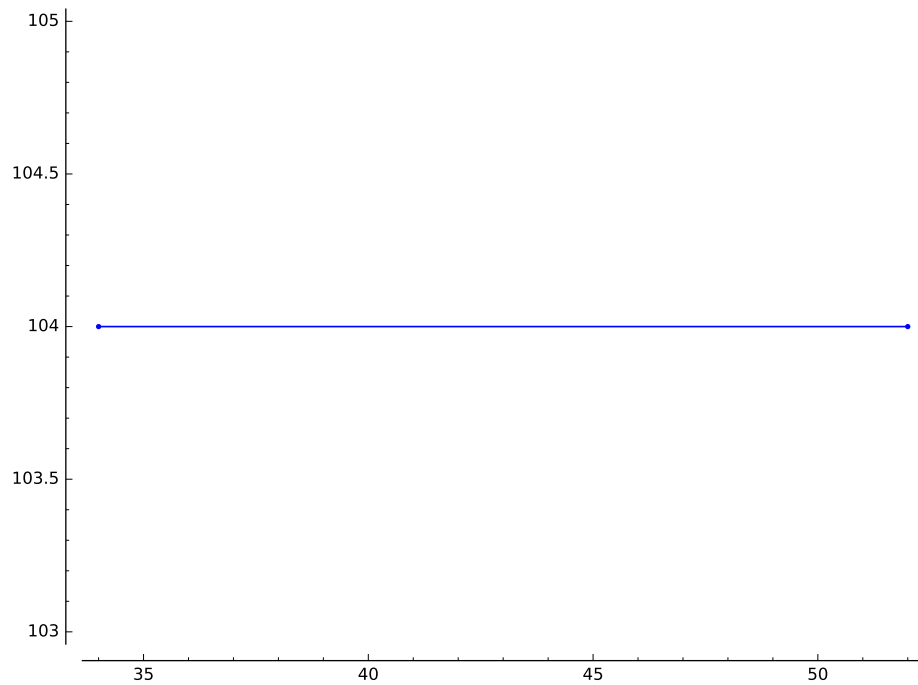


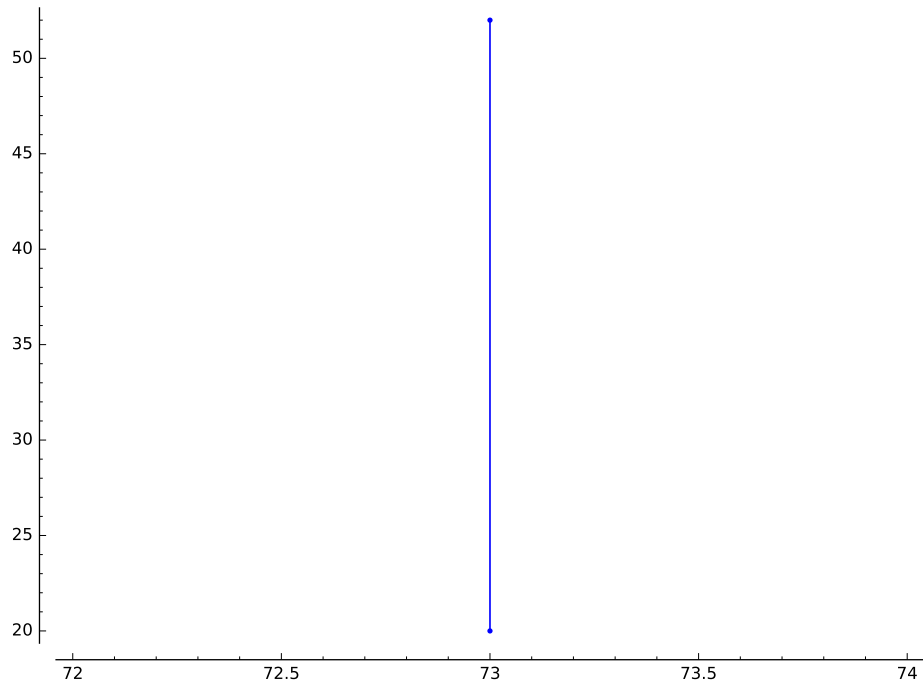
Homework 3

Elli

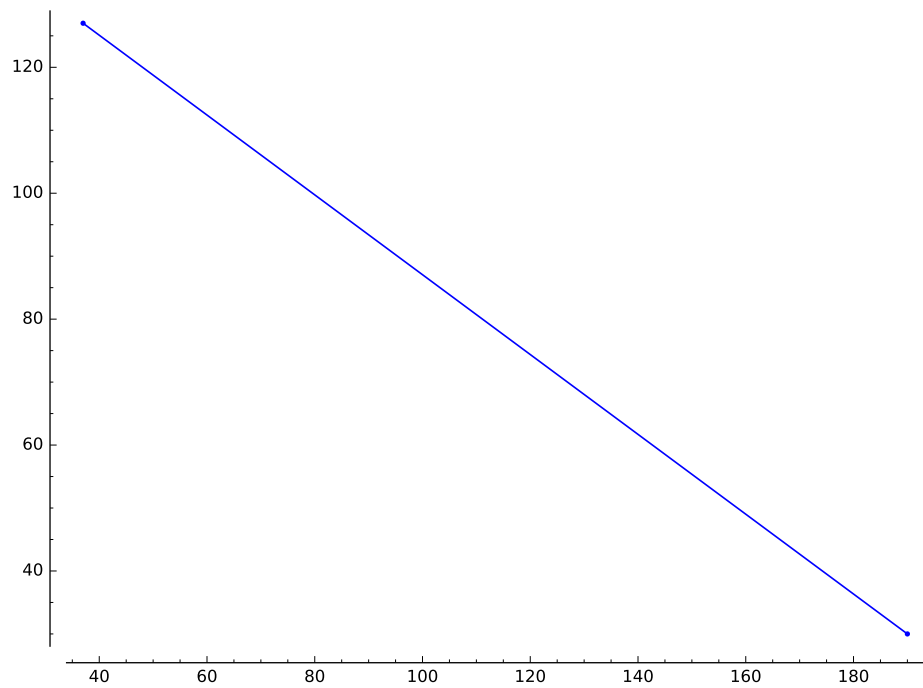
August 24, 2018



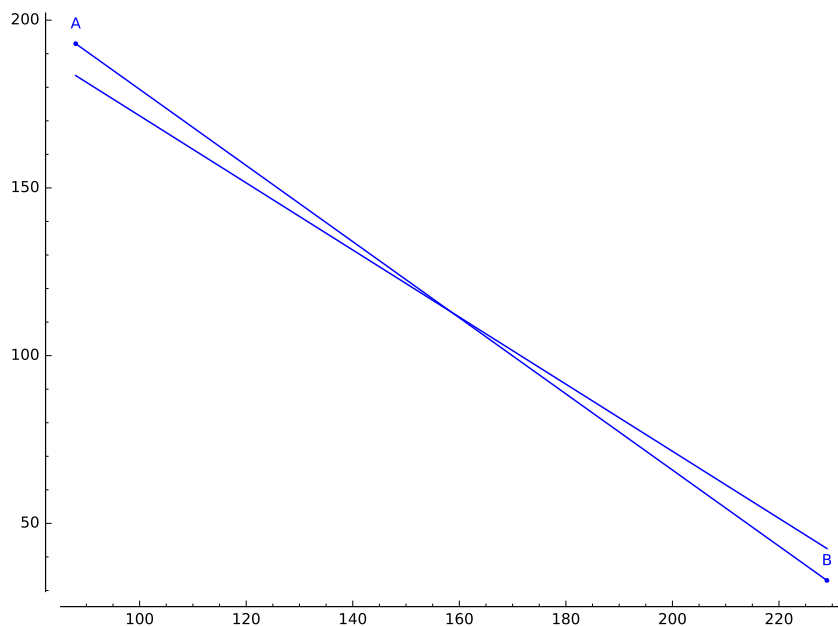
Problem 1. Given $A(52, 104)$ and $B(34, 104)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



Problem 2. Given $A(73, 52)$ and $B(73, 20)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



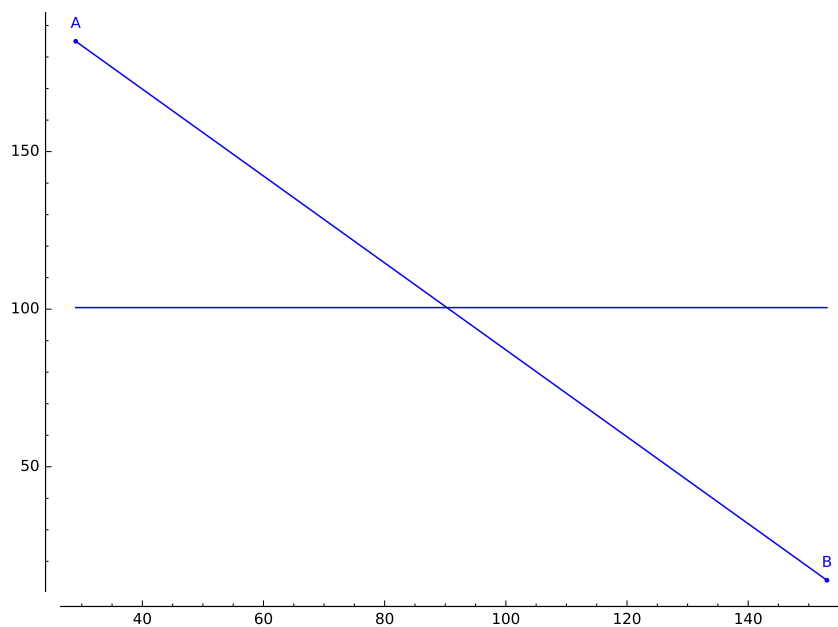
Problem 3. Given $A(37, 127)$ and $B(190, 30)$, calculate the midpoint of \overline{AB} .



Problem 4. Given $A(88, 193)$ and $B(229, 33)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = -x + 271.500000000000$$

bisects \overline{AB} .



Problem 5. Given $A(29, 185)$ and $B(153, 14)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = 100.500000000000$$

bisects \overline{AB} .