

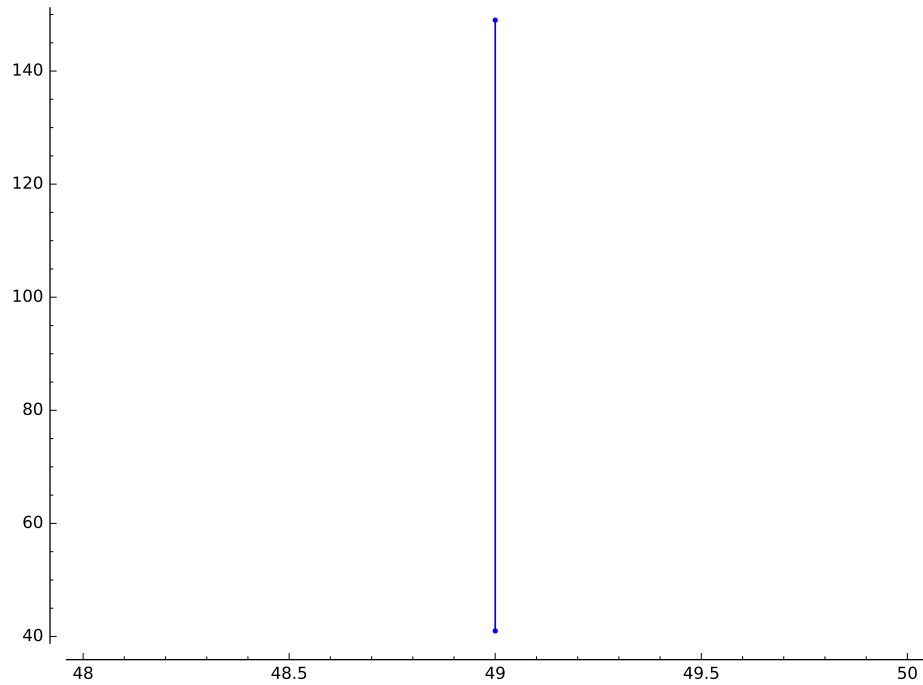
Homework 3

Waylon

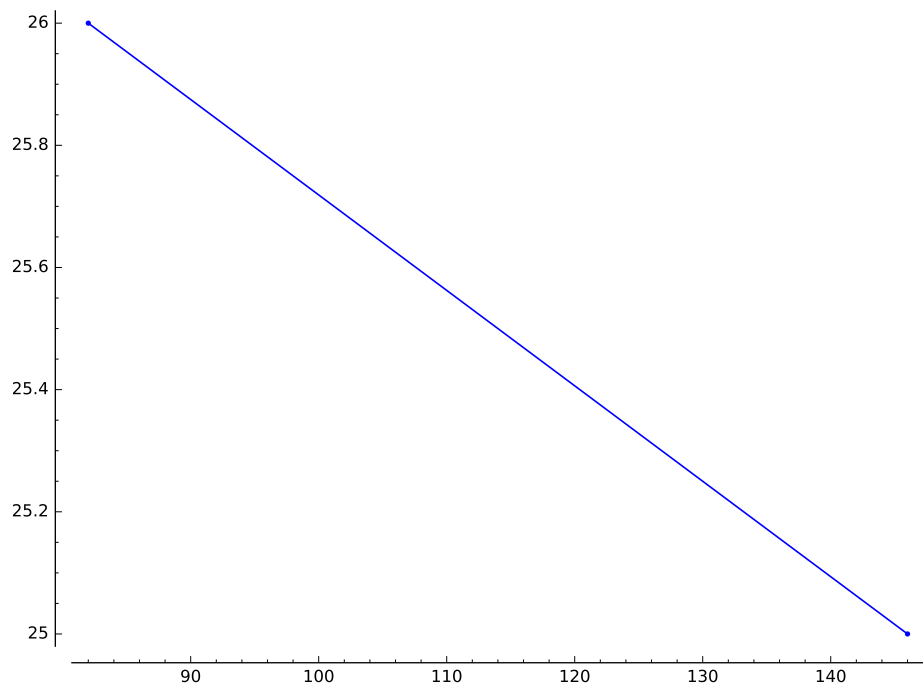
August 24, 2018



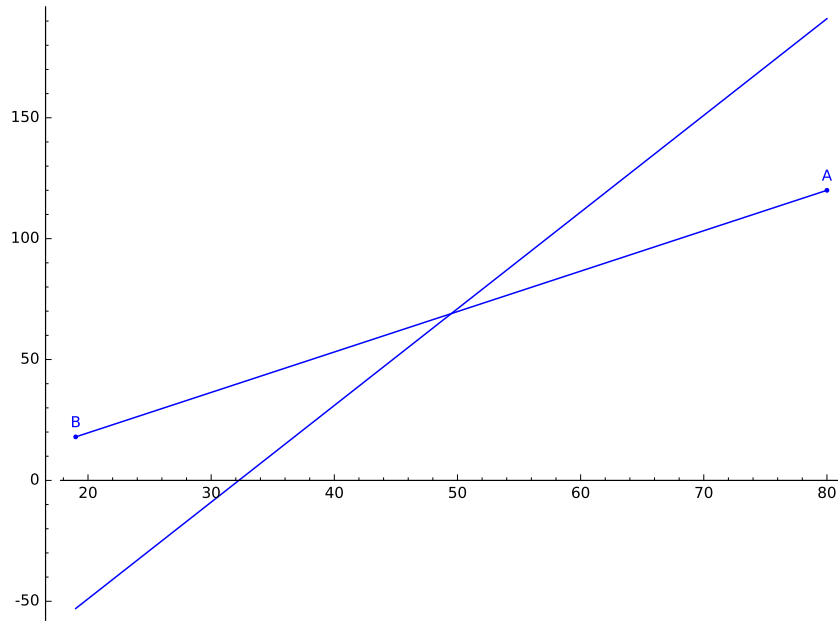
Problem 1. Given $A(79, 77)$ and $B(156, 77)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



Problem 2. Given $A(49, 149)$ and $B(49, 41)$, calculate the midpoint of \overline{AB} and the distance $|\overline{AB}|$.



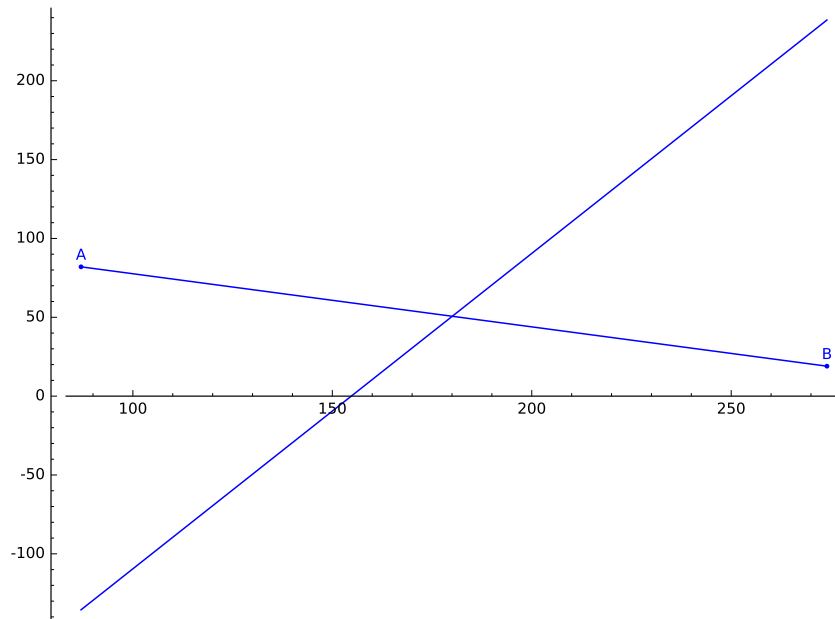
Problem 3. Given $A(82, 26)$ and $B(146, 25)$, calculate the midpoint of \overline{AB} .



Problem 4. Given $A(80, 120)$ and $B(19, 18)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = 4x - 129.000000000000$$

bisects \overline{AB} .



Problem 5. Given $A(87, 82)$ and $B(274, 19)$, calculate the midpoint of \overline{AB} . Then, determine if

$$y(x) = 2x - 309.500000000000$$

bisects \overline{AB} .