

2.2.2 #55, 56, 63-67

2-55 a only

a) i.) Slope: The slope is how many feet the tree grows each year after planting. The y-intercept is the height of the tree after it was planted.

$$m = \frac{14-4}{5-0} = \frac{10}{5} = 2 \text{ ft/year}$$

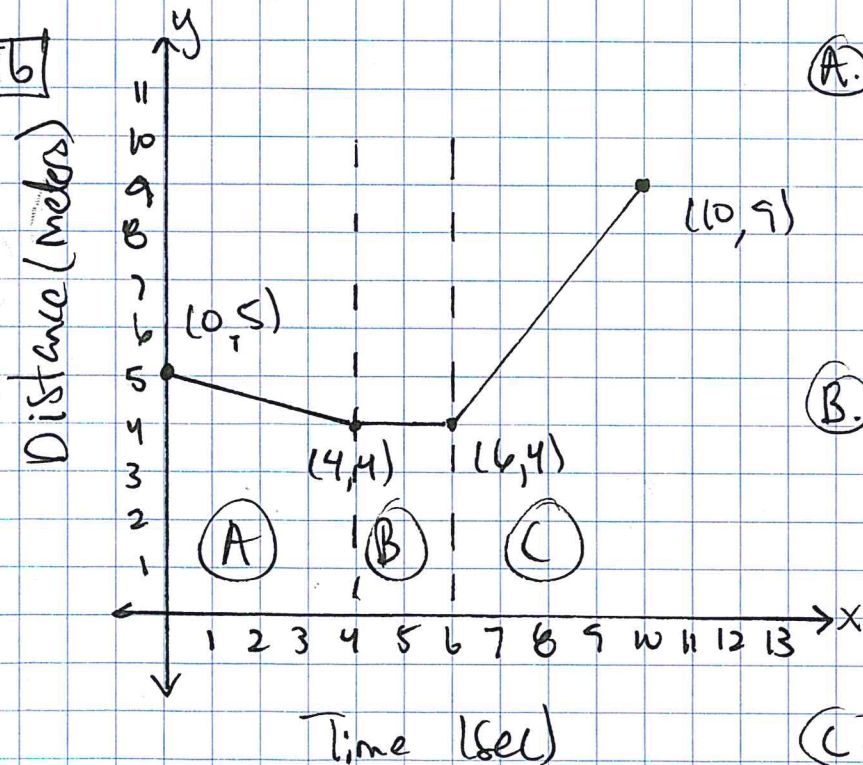
ii.) Slope: The slope is the money spent or lost each month. The y-intercept is how much money was in the account to begin with.

$$m = \frac{150-130}{2-4} = \frac{20}{-2} = -10 \text{ /month}$$

iii.) Slope: The gal required per mile. The y-intercept is the gas needed to go 0 miles.

$$m = \frac{88-44}{4-2} = \frac{44}{2} = 22 \text{ gal/mile}$$

2-56



(A) Describe:

Equation:
D:
R:

(B) Describe:

Equation:
D:
R:

(C) Describe:
Equation:
D+R: