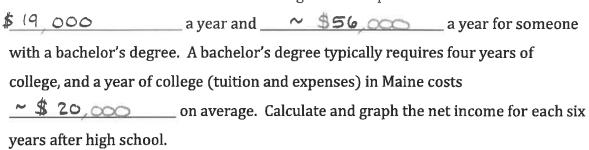
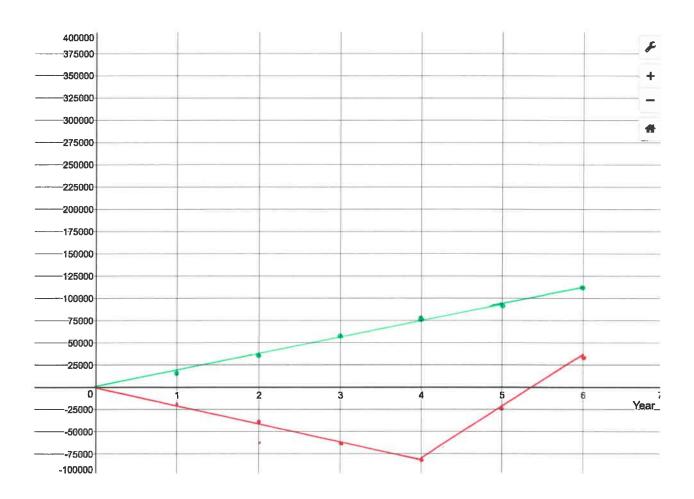
When you graduate from high school, you can enter the workforce or go to college.
 The median income for someone with a high school diploma is



	Net Income Since High School Graduation								
	0 years	1 year	2 years	3 years	4 years	5 years	6 years		
High School Diploma	\$0	19,000	38,000	57,000	76,000	95,000	114,000		
Bachelor's Degree	\$0	-20,000	-40,000	-66,000	- 80,cc	- 24,000	32,000		



Financial Aid - Is College Worth the Cost

X ≈ 8.22

2. Imagine an 18 year-old high school senior is debating whether to take a job after graduation or to go to college. How many years would it take until each option resulted in the same net income?

a. Write an equation for the high school diploma (x being years and y income).

b. Write an equation for the bachelor's degree (x being years and y income).Be careful it's a piecewise!

b. You solved this <u>graphically</u> how could you determine the number of years it would take to result in the same net income a different way?

elimination! substitution!
$$y = 56,000 \times -304,000$$

$$-y = 19,000 \times -304,000$$

$$0 = 37,000 \times -304,000$$

$$\times 28.22$$

Financial Aid - Is College Worth the Cost

c. How old what he/she be at this point?

d. Based on this do you think it would be a smart decision for him/her to attend college? Explain.

3. The average age for retirement in Maine is ______ years old. Compare the lifetime net income for the two options.

bachelor's net income: