[Amin Mohamad]

Algebra I Benchmark

Ms. Gasser

Working Adam

Introduction:

Adam loved his current job. He loved the manager and all his co-workers! But, he found a job that interested him and was paying really well. At the moment, Adam was supporting his family since his father was ill. A little more would help him and his family a lot. Adam decided to go to the store and talk to the manager about the job. Adam walked in and asked an employee at the door to speak with the manager.

A few minutes later, the manager invited Adam into his office. Adam was a little nervous but thought to himself, what could go wrong. Even if he refuses, I still have my job.

Rising Action:

Adam walks into the office and was greeted by the manager, who didn't seem that bad. His name was Mr. Jayden and he was really nice. They both sat down at Mr. Jayden's

desk and Mr. Jayden told Adam he would be making $22 per hour. (The slope is $22 since he's making $22 per hour)

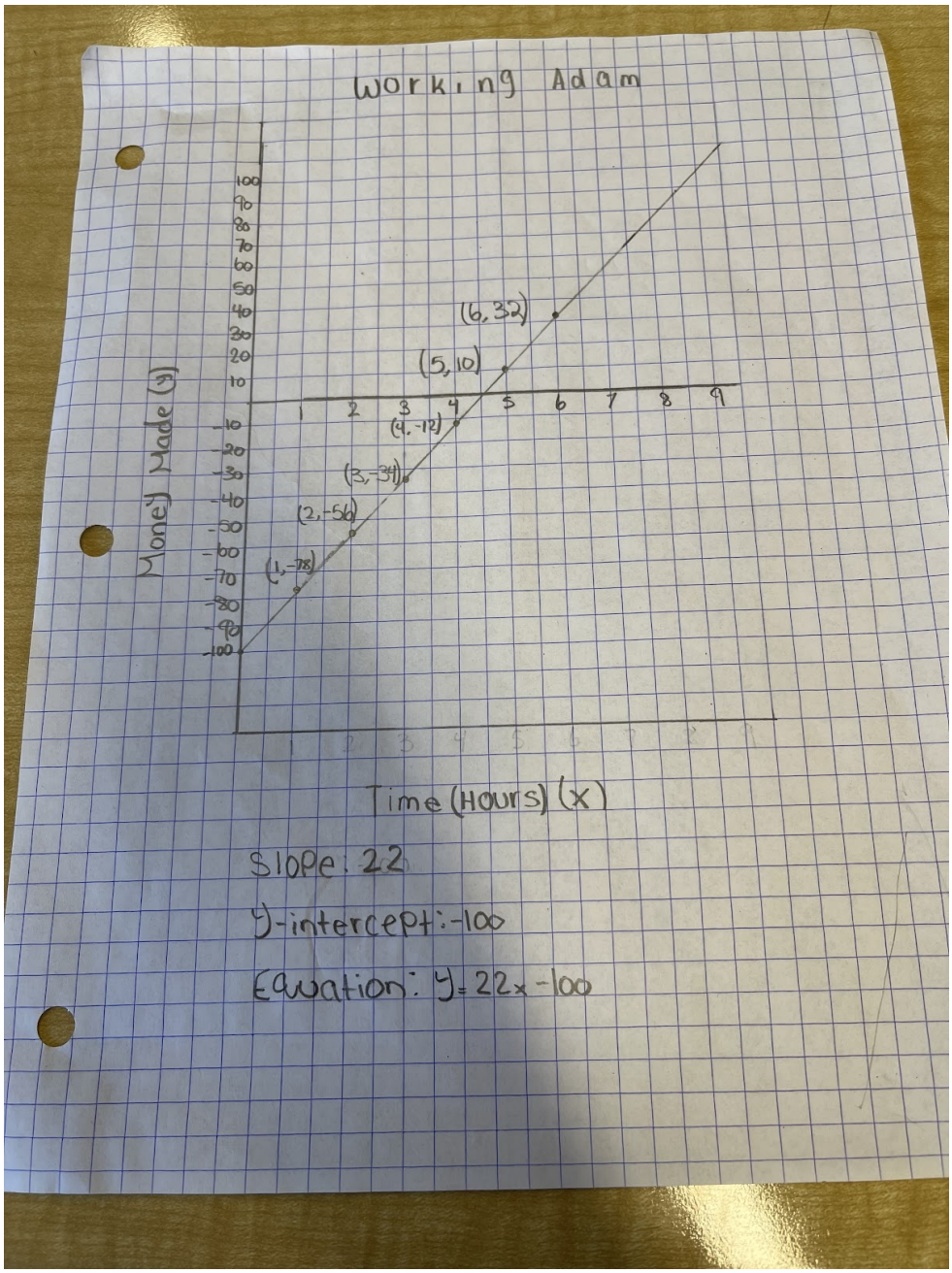
Adam was stunned and loved it. He currently has a debt of $100 (-$100 is the y-intercept) and really needed a way to earn extra money. He thought this was the best decision to make at the time and took the job instantly!

Time (hours) (x)	Calculation	Money made (y)
1	1(22) - 100	-78
2	2(22) - 100	-56
3	3(22) - 100	-34
4	4(22) - 100	-12
5	5(22) - 100	10
6	6(22) - 100	32

- **The slope is 22. It's 22 because that's the amount Adam would be making per hour at his new job that is supposably paying really good.**

- **The y-intercept is -100 because that is the current amount of money in Adams's bank account.**

- **The equation is y = 22x - 100**



Climax:

One month later. It's finally time for Adam to receive his first check. When his paycheck comes in, He is really excited to see how much he is going to make. He can't wait to see the difference in what he used to make and is now making. Maybe, he´ll have extra to buy a gift for himself or for his siblings.

He opens the check slowly and closed his eyes. When he opened his eyes, he was so upset that he aggressively makes his way into the manager's office. He was supposed to be making $22 per hour but is only making $20 per hour. Of the worked 10 hours a day, he would be losing $20. Over time this amount would build up. The equation for the amount he is making for his first month at his new job is $y=20x + 3,500$.

The manager said that's all he can offer. Adam gets into a big argument with the manager and is about to quit hoping his old job will hire him back. The manager tells him that he'll raise the amount of pay to $22 per hour starting next week.

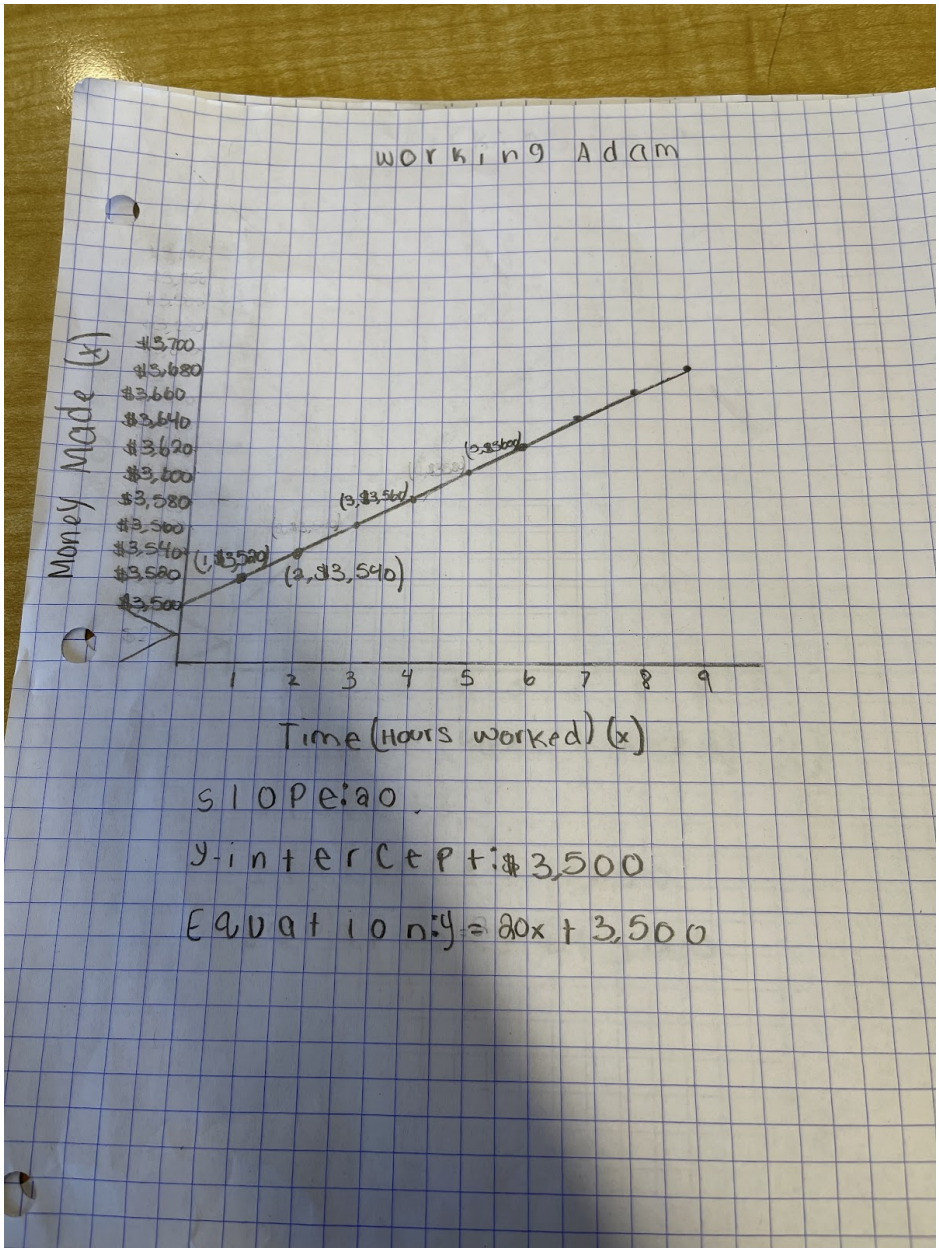
(Adam has $3,500 because that's how much he now has in his bank account. This is how much Adam would make if he would get paid $20 per hour.)

Time (hours worked) (x)	Calculations	Money made (y)
1	1(20) + 3,500	$3,520
2	2(20) + 3,500	$3,540
3	3(20) + 3,500	$3,560
4	4(20) + 3,500	$3,580
5	5(20) + 3,500	$3,600

- **The slope is 20 because that's the amount Adam will be paid per hour.**

- **The y-intercept is 3,500 because that's the amount he has in his bank account.**

- **The equation is y = 20x + 3,500**



Falling Action:

Adams's new job is good enough however It turned into too much for him. He commenced to disassend in college and thought it might be better to go back to his antique job. His old job pays $18 per hour, however, is simpler for him.

He concept it'd be top-sufficient, for now, on the grounds that he has $3,600 in his financial institution account. The equation for a way a great deal he could be making and

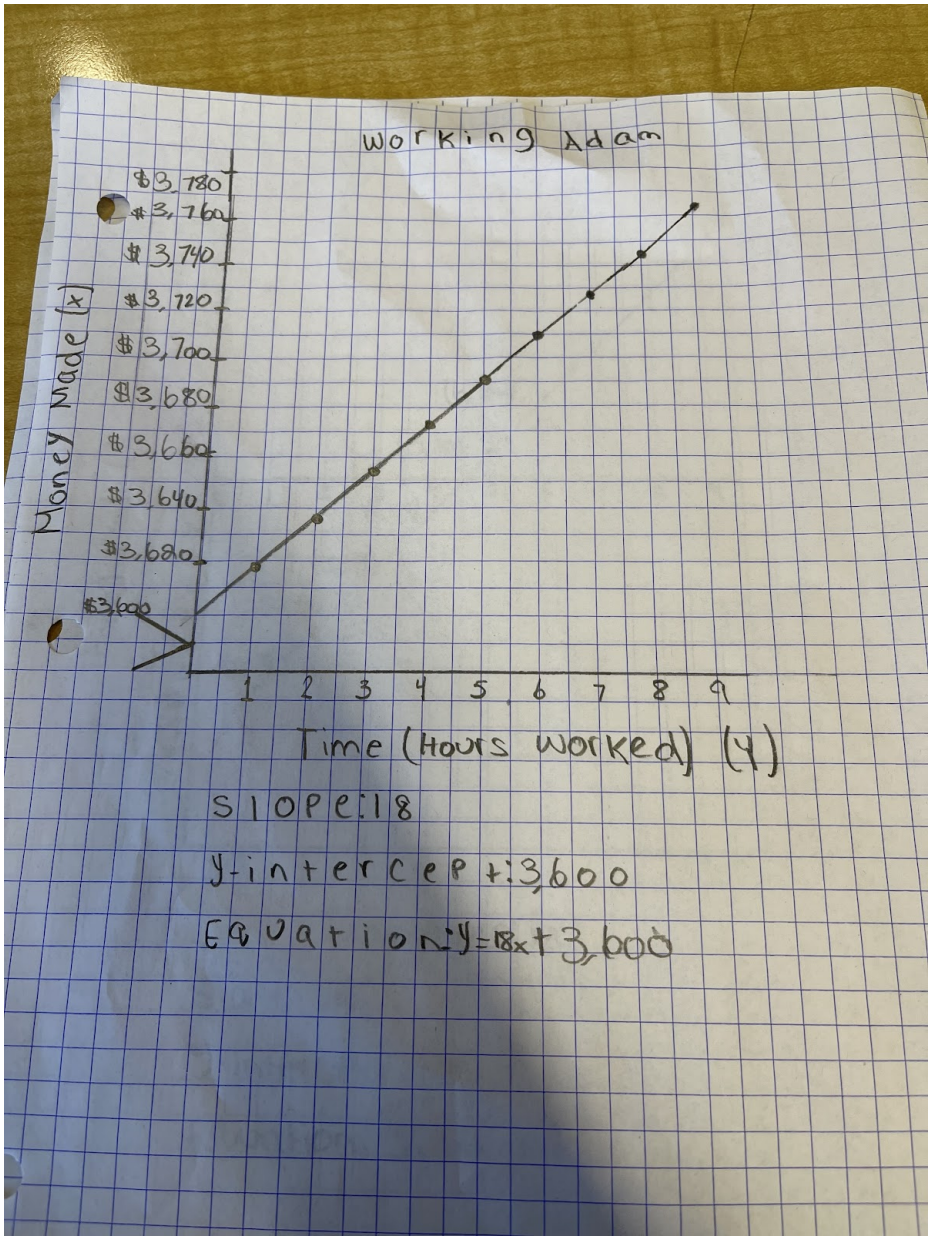
how much he already has is y = $18x + $3,600. He also feels absolutely cozy over there and trusts his supervisor. The manager Adam has in the interim lied to him for the first time!

Time worked (x)	calculations	Money made (y)
1	1(18) + $3,600	$3,618
2	2(18) + $3,600	$3,636
3	3(18) + $3,600	$3,654
4	4(18) + $3,600	$3,672
5	5(18) + $3,600	$3,690

- **The slope is 18. It's 18 because that's the amount Adam is going to be paid every hour.**

- **The y-intercept is 3,600 since that's the new amount he has in his bank.**

- **The equation is y = 18x + 3,600**


Working Adam
Money Made (x)
$3,780
$3,760
$3,740
$3,720
$3,700
$3,680
$3,660
$3,640
$3,620
$3,600
1 2 3 4 5 6 7 8 9
Time (Hours worked) (y)
Slope: 18
y-intercept: 3,600
Equation: y=18x+3,600

Conclusion:

Adam is back at his old job. He is loving it and is having a great time with his co-workers and his understanding boss. His boss knows what an amazing worker Adam is and even decided to give him a raise. A huge raise. He's now making $21 per hour instead of $18 per hour. The equation has thankfully changed from *y = $18x + $3,400 and is now y = $21x + $3,400.* Overall he thinks he made the right decision and is also helping his physical self.