## GRAPHING USING A POINT AND A SLOPE

1. Jason had \$87 in his savings account. He then worked for 2 weeks, earning \$5.75 per hour, and deposited all the money he earned into his savings account. The account then had a balance of \$271. Which method can be used to find the number of hours Jason worked?

- A. Subtract 87 from 271 and then divide the difference by 5.75
- B. Subtract 87 from 271 and then multiply the difference by 5.75
- C. Add 87 to 271 and then divide the sum by 5.75
- D. Add 87 to 271 and then multiply the sum by 5.75

2. A furniture store charges a \$150 fee to deliver a piece of furniture weighing up to 200 pounds. The store charges \$2 extra for each additional pound over 200. Which equation best represents the total delivery fee, f, in terms of the number of pounds, p?

A. f = 150 + 2(p - 200)B.  $f = 150 + \frac{p - 200}{2}$ C. f = 150 + (p - 200)D. f = 150 + 2p

BELL WORK

## EXAMPLES: Draw a line through the given point with the given slope.



2) A turtle is crawling at a rate of 2 meters per hour and	
crosses the intersection at (-1, -5). Graph the line and write	
the equation to represent his path.	
Equation:	
Will the turtle reach the interpretion of $(6, 0)^2$	
3) Janelle graphed a line through (6, -4) and had a slope	
1 Create and identify the encoding that resuld has	
or –. Graph and identify the equation that could be	
used to represent this line.	
Equation:	
Dece the point $(0, 2)$ lie on this line?	
Does the point (3, -2) line on this line?	
4) Kate's house it located at (-4, 5) and Becky's	
house is located at (8, 2). Graph the line that would	
represent Kate's straight path if she wanted to jog to	
Becky's house.	
Equation:	
IT I ONY'S NOUSE IS located at (4, 3) will Kate pass	
his house?	