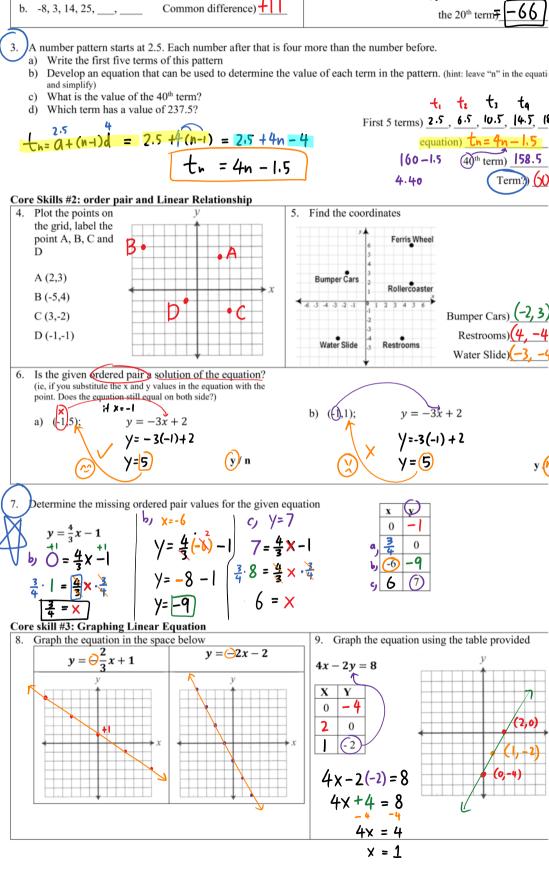
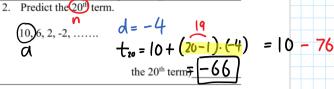
Math 9 Ch4 Linear Relations Test Core Skills #1: Recognizing patterns 1. Determine the common difference and predict the next 2 terms. a. -12, -5, 2, ____, ___



Common difference) + 7

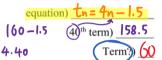


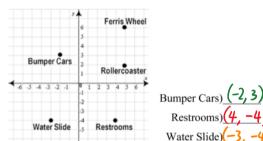
19.04

Name:

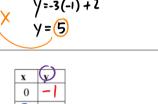
arithmetic sequence $t_n = a + (n-1) \cdot \mathcal{O}$

t₁ t₂ t₃ t₄
First 5 terms) 2.5, 6.5, 10.5, 14.5, 18.5

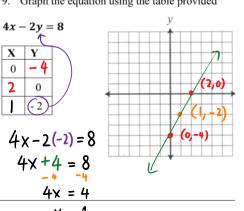




Y=-3(-1)+2

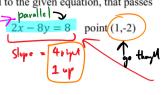


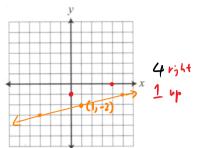
9. Graph the equation using the table provided











Core skill #4) Determine linear equation from the graph in the form of y = mx + b

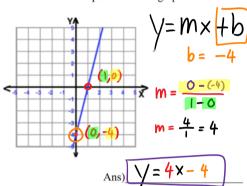
11. Calculate the slope of the line that contains the points

(1.5) and (3, 9)
$$m = \frac{Y_2 - Y_1}{1}$$

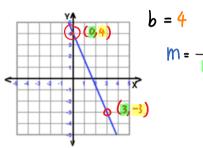
$$M = \frac{9-5}{3-1} = \frac{4}{2} = 2$$

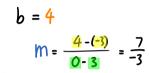
Slope: 2

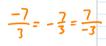
 $\mathbf{m} = \frac{\mathbf{Y}_{z} - \mathbf{Y}_{1}}{\mathbf{X}_{1} - \mathbf{X}_{1}}$ 12. Write a linear equation for the graph.



13. Write a linear equation for the graph.







Ans)
$$y = -\frac{7}{3} \times + 4$$

14. Match the linear equations from the graphs below



