Algebra 1 – Unit 3A Assessment Practice Name _____ Date _____ Period ___

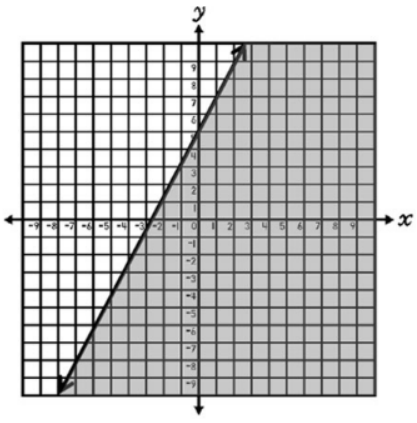
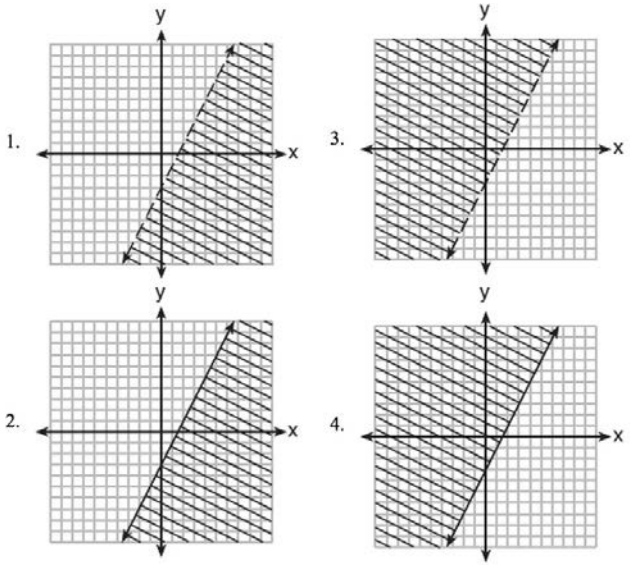
Part A: Using Linear Functions [F-CED.A.2]

	Answer the questions completely.		
1.	**Rewrite** the linear function $-3x-5y+10=0$ into slope-intercept form.	2.	For each of the points given, **determine** if the point is a solution to the linear inequality $y>5x-1$. A (-3, -16) B (3, 1)

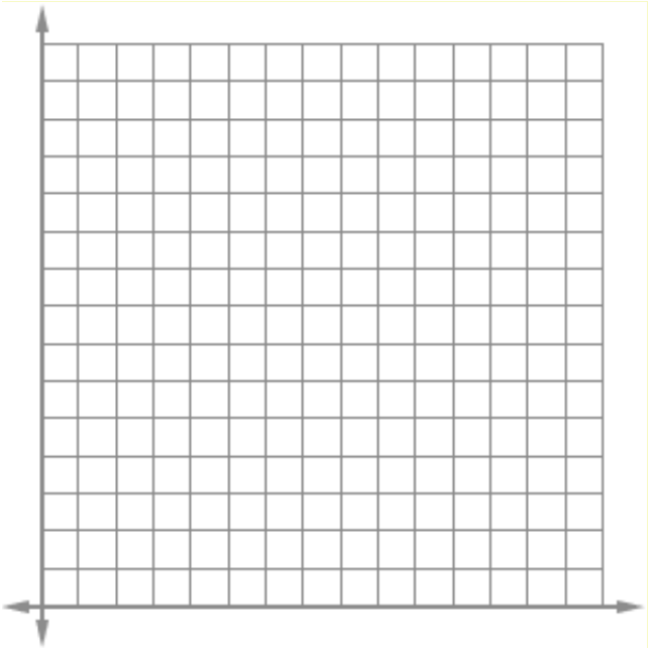
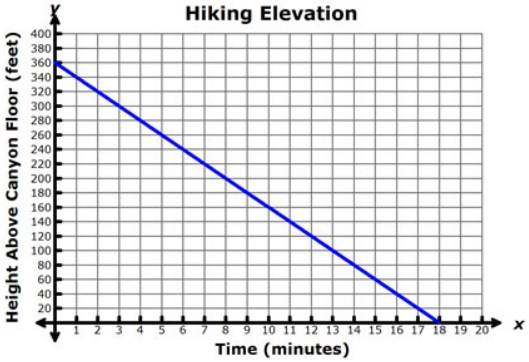
Part B: Writing Linear Functions [F-CED.A.2]

	Answer the questions completely.		
3.	**Write** the equation of the line that contains the point (-2, 4) with slope $\frac{3}{2}$.	4.	**Write** the equation of the line, in *slope-intercept form*, that contains points (3, 4) and (-2, 14).
5.	**Circle** the equation that <u>does not</u> describe the line with slope of -3 that contains the point (2, 0). a) y – 0 = –3 (x – 2) c) y = –3x + 6 b) (y – 2) = –3 x + 0 d) 6 = 3x + y	6.	**Write** a linear equation that has a slope of 0.

Part C: Linear Inequalities [A-REI.D.12]

	Answer the questions completely.		
7.	**Write** an inequality in slope intercept form that represents the graph below. 	8.	**Circle** the correct graph of the linear inequality $2y+6>4x$ 

Part F: Creating Linear Functions [F-CED.A.2]

	Answer the questions completely.		
9.	A golf course charges $40 for a full game of golf and sells buckets of golf balls for $20. The golf course would like to make $400 by the end of the day. A) **Assign** variables and **write** an equation that represents this situation. B) **Graph** your equation. **Label** and **scale** the axes appropriately.  C) Suppose every customer that comes in have his or her own golf balls. How many games would the golf course have to sell to cover the $400, if no buckets of gold balls are sold?	10.	Use the graph below to answer the questions.  A) **Write** the domain of the function. B) **Find** and **interpret** the x-intercept. C) **Find** and **interpret** the y-intercept. D) **Find** and **interpret** the slope.

Part G: Essential Question

	Write a Big Idea response for the Essential Question. **Include** vocabulary terms you have learned. Your responses will be evaluated using the Big Ideas Scoring Guide.
11.	**Explain** how to determine when to use an equation or an inequality.