ECA Algebra Review (Geometry)
Day 4a

1) Write the equation of the line in slope intercept form that goes through the points E(1, -2) and F(4, -8).	2) Find the equation of the line through (2 ,6) and perpendicular to $y = -\dfrac{5}{4}x + 1$.
3) Find the x-intercept and y-intercept of the equation $y = \dfrac{1}{3}x - \dfrac{1}{6}$.	4) A phone company charges $45.99 a month for 500 minutes. What is the company's rate in dollars-per-minute?
5) A cannery processed 605 pounds of strawberries in 3.5 hours. The cannery processed 2100 pounds in 10 hours. Write a linear equation to model the weight of the strawberries S processed in T hours.	6) Suppose you had *d* dollars in your bank account. You spent $22 but have at least $28 left. How much money did you have initially? Write and solve an inequality that represents this situation.

1)) Write the equation of the line in slope intercept form that goes through the points G(3, 4) and H(6, 10).	2) Find the equation of the line through (-4 ,6) and parallel to $y = -3x + 4$.
3) Find the x-intercept and y-intercept of the equation $y = \dfrac{1}{4}x - \dfrac{1}{8}$.	4) A phone company charges $39.99 a month for 450 minutes. What is the company's rate in dollars-per-minute?
5) A 3mi cab ride costs $3. A 6mi cab ride costs $4.80. Find a linear equation that models cost *c* as a function of distance *d*.	6) Your class hopes to collect at least 325 cans of food for the annual food drive. There were 132 cans donated the first week and 146 more the second week. How many cans are needed to meet or surpass your goal? Write and solve an inequality that describes the situation. Let *c* represent the number of cans.