IM1 Problem Set 6 - Daily Tasks		
Task 1	Task 2	DC
Put solutions to problems from the previous Problem Set on the board	Discuss all problems and come to a consensus. Record solutions in your notebooks and present solutions.	DC

	Problem Set 6
6.1	 For the pairs of points listed here (i) (1,2) and (1,-7); (ii) (-3,-4) and (6,-4); (iii) (-2,7) and (5,-3) a. Graph the pair. b. Find the slope between the two points. c. Determine the equation of the line through these pairs of points.
6.2	 For the pairs of points listed here (i) (1,2) and (1,-7); (ii) (-3,-4) and (6,-4); (iii) (-2,7) and (5,-3) a. Find the distance between the two points. b. Find the midpoint between the two points
6.3	Evaluate the following numerical expressions: a. $4-6^2 \div 9 \times 2$ b. $4-6^2 \div (9 \times 2)$ c. $(4-6^2) \div 9 \times 2$
6.4	Solve each of the following algebraically and graphically: a. $5-2(x-2) = 7(2 - x)$ b. $\frac{2x-3}{-5x+1} = -\frac{1}{3}$ c. $4x + 7 = \frac{x-5}{2}$
6.5	Sketch graphs of the following functions. Use your TI-84 to prepare the graphs, then sketch these graphs into your notebooks. Determine and then label the <i>x</i> - and <i>y</i> -intercepts. a. $y = -\frac{2}{3}x + 18$ b. $3x - 6y = 48$
6.6	One value for x that is a solution to the inequality $2x + 5 \ge 17$ is 7 because if we replace x with 7, we get $2(7) + 5 = 14 + 5 = 19$, which is greater than 17.

	 a. List at least ten additional values for x that are solutions to the inequality. b. What is the least possible value we could use for x that is still a solution to the inequality? c. How could we use the graph of y = (2x + 5) - 17 to help answer this question? 	
6.7	How high up on the wall will a 10-meter ladder touch if the foot of the ladder is placed 2 meters from the base of the wall? To solve the problem Hanna and Karim both did the following work. Please answer the following questions. a. What formula are they using? b. Who is correct?	
	2m 2m 10.2=C = How high the labler goes	
5.8	In baseball and softball statistics, a player's slugging ratio is defined to be $SR = \frac{s+2d+3t+4h}{b}$, where s is the number of singles, d the number of doubles, t the number of triples and h the number of home runs obtained in b times at bat. Peyton hit 12 singles, 4 doubles, 2 triples, and 8 home runs last season, and had a 0.560 slugging ratio (SR). How many times did Peyton comes up to bat last season?	
Challenge Question	Would you rather have your weight in pennies or your height in quarters?	