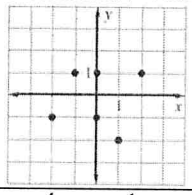
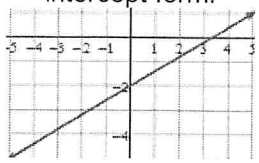
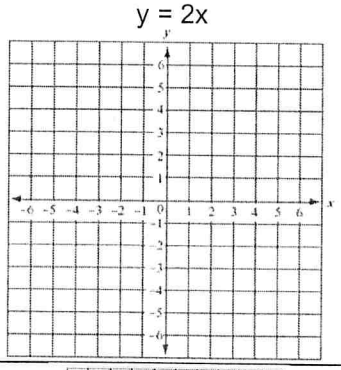
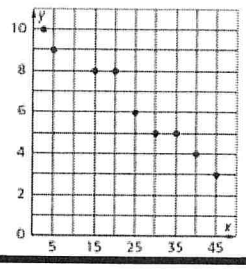
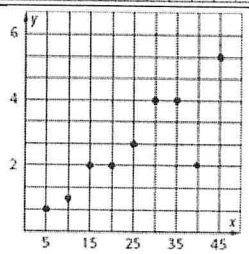
Name:

Weekly Math Homework – U4:W2

	Monday	Tuesday	Wednesday
1.	$-\frac{1}{2}+\frac{3}{4}$	Solve for x: 3(x + 6) = 2x + 5x - 10	Simplify: 3(3x – 4) + 9
2.	Convert $\frac{58}{9}$ to a mixed number	Is this a function? Yes or No 	Determine whether the relation is a function. {(–5,2),(1,1),(5,1),(2,6)}
3.	List all the subsets of the real number system that 4 belongs to.	$\frac{4}{6}-(-\frac{1}{4})$	Convert $\frac{4}{5}$ to a decimal
4.	Adults needed for a school trip Students (x): 3, 6, 9, 12 Adults (y): 1, 2, 3, 4 Write the equation in y = mx + b of the table you circled.		Find the slope of the line for the table. x: -4, -2, 0, 2, 4 y: -2, 0, 2, 4, 6
5.	Write the equation of the line in slope intercept form. 	$9 + 8 \div -2 \cdot 10$	Graph the following y = - ½ x + 2 y = ¼ x – 4 y = 2x 
6.	31.5 is what percent of 90?	Solve the equation for *w*: $4-\frac{2}{7}w=18$	
7.	Which of the flowing best describes a negative correlation? A) The length of a person's arms over time. B) The depth of a bath tub as it drains over time. C) The amount of time you drive as compared to the distance traveled. D) The total cost of a pizza and the number of toppings you put on it.	Is the correlation positive or negative? Draw in the line of best fit and write the equation for the line 	 Draw in the line of best fit and write the equation for the line. Estimate x when y = 10