

NAME: _____



Task Sheet 1

- 1) Jason gets a summer job cutting grass for a company called, **The Lawn-Care Buds**. The company pays Jason a flat rate for each day he works for them, as well as a certain amount for each lawn cut.



His total pay (in dollars) for the day is represented by **P**; the number of lawns he cuts is represented by **g**.

His total earnings for a given day is expressed with the formula:

$$P = 6g + 40$$

- a) On Jason's first day of work, he cuts 6 lawns. Use the formula to calculate his total pay.



Show Your Work

SAMPLE

Answer: _____

- b) Complete the following chart to find out how much Jason makes for the remainder of his first work week.

Number of lawns cut	Total pay (\$)
Tuesday = 4	
Wednesday = 7	
Thursday = 0 (it rained)	
Friday = 9	
Saturday = 2 (rained in the morning)	



Review B

- a) Ike's school decides to hold a carwash fundraiser for their school trip. The school spends \$40 for all the equipment needed for the carwash. They end up paying \$3 for water/supplies for each car they wash. They charge \$6 for each car washed. The formula used to calculate their earnings is $E = 6x - (3x + 40)$ where E = Earnings and x = cars.

Calculate their profit if they wash 50 cars:

 **Show Your Work**

Answer: _____

- b) On the number line below graph the solution to x

$$-2x = -6$$



- c) Solve these equations showing your work:

i) $3x + 7 = 19$

ii) $17 - x = 4$

- d) Simplify the following equation:

$$4x^2 - 2x + 6 + 3x - x^2$$

Equations and Plotting



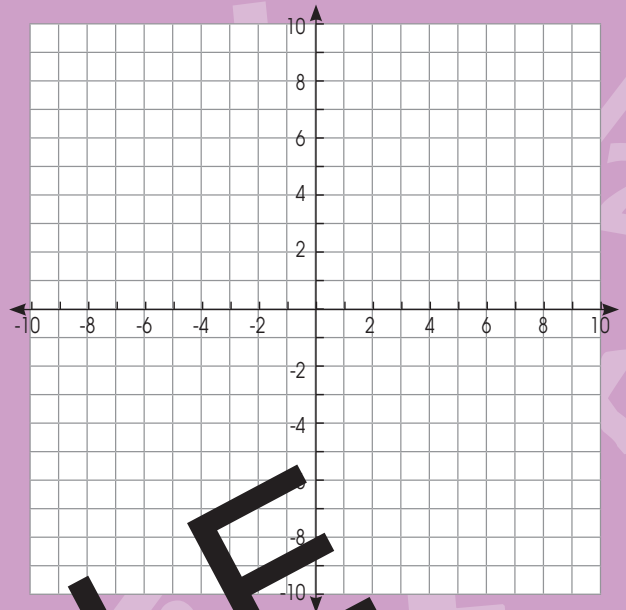
a) Plot the following coordinates on the accompanying chart:

A =

B =

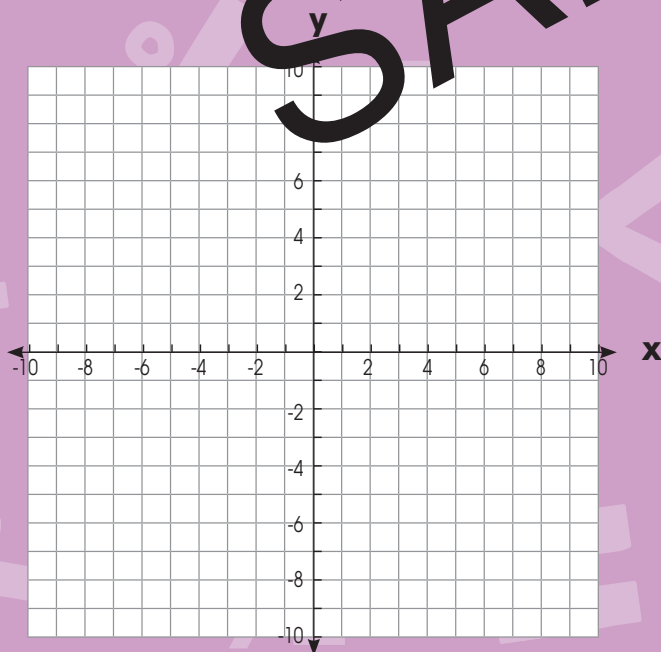
C =

D =



b) Complete the chart below using the equation $y = 2x + 4$.

x	-4	-3	-2	-1	0	1	2
y							



c) Now, plot the coordinates from the chart above on the graph below, then draw a straight line through the coordinates.