

2.3 – Linear equations

	10	Student name:	Score:	
۱.	(a)	One day Zak sold some books at \$5 each. He receive	d a total of x .	
		Write down, in terms of x , the number of books he so	old.	
			Answer(a)	[1]
	(b)	The next day Zak reduced the price of each book to \$ He received \$13 more than on the first day.	54.	
		(i) Write down, in terms of x , the number of books	he sold on this day.	
			Answer(b)(i)	[1]
		(ii) He sold a total of 46 books during the 2 days.		
		Write down an equation in x to show this inform	nation.	
		Answer(b)(ii)		[1]
		(iii) Solve your equation.		
			Answer(b)(iii) $x =$	[3]
	(c	Calculate the mean price of a book during these two Give your answer correct to 2 decimal places.	days.	
			Answer(c) \$	[2]





2.6 – Simultaneous equations

Student name: ______ Score: _____

1. Solve the simultaneous equations.

$$3x - 4y = 10$$
$$5x - 3y = 2$$

$$Answer(b)$$
 $x =$

$$y =$$
 [4]

2. Solve the simultaneous equations.

$$5x - 4y = 1$$
$$4x - 5y = 8$$

$$Answer(b)$$
 $x =$

$$y =$$
 [4]





2.3 – Linear equations

			Student name:	Answers	.		Score:	
1.	(a)	One	e day Zak sold some bo	ooks at \$5 each. He received	d a total of \$3	. .		
		Wri	ite down, in terms of x ,	the number of books he so			Y	
					Answer(a)		5	[1]
	(b)		e next day Zak reduced received \$13 more than	the price of each book to \$ n on the first day.	4.			
		(i)	Write down, in terms	of x , the number of books			w 1 12	
					Answer(b)(i)	$\frac{x+13}{4}$	[1]
		(ii)	He sold a total of 46 l	books during the 2 days.				
			Write down an equati	on in x to show this inform	ation.			
			Answer(b)(ii)	$\frac{x}{5} + \frac{x+13}{4} = 46$				[1]
		(iii)	Solve your equation.					
					Answer(b)	(iii) <i>x</i> =	95	[3
	(c		alculate the mean price ive your answer correct	of a book during these two to 2 decimal places.	days.			
							4.44	







2.6 – Simultaneous equations

Student name: ______ Score: _____

Solve the simultaneous equations.

$$3x - 4y = 10$$
$$5x - 3y = 2$$

Answer(b)
$$x = \frac{-2}{y}$$
 [4]

2. Solve the simultaneous equations.

$$5x - 4y = 1$$
$$4x - 5y = 8$$

Answer(b)
$$x = \frac{-3}{y}$$
 [4]

