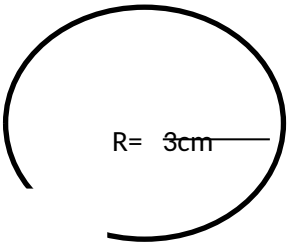
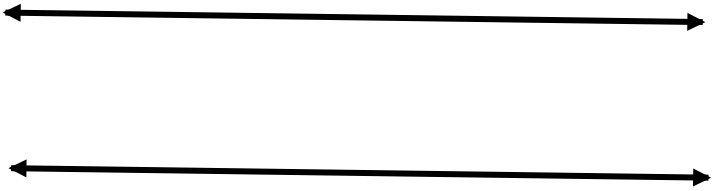
PENANG SANGAM HIGH SCHOOL
YEAR 9 MATHEMATICS
WEEK 2
Dates: (07/06/21) to (11/06/21)

1	Jone lost $50 while shopping with his aunt. Represented as a directed number would be : A. $50 B. deposit $50 C. -$50 D. owe $50
2	The area of the circle drawn is: A. $28.27cm^2$ B. $9.42\ cm^2$ C. $3cm^2$ D. $9cm^2$  $A = \pi r^2$
3	¾ written as a decimal would be A. $\frac{4}{3}$ B. 4.3 C. 3.4 D. 0.75
4	(a.) Simplify $\frac{1}{6} - \frac{1}{8}$
	(b.) Express as a mixed number $\frac{23}{6}$
	(c.) Write 150 % as a fraction in its simplest form.
5	Represent the following on the number line given below (a.) $\{x: -2 \leq x \leq 1, x \in I\}$ (b.) $\{x: -2 \leq x < 2, x \in R\}$ 

6	(a.) Arrange these numbers in ascending order {– 2, 3, – 15, – 7}
	(b.) Evaluate |-0.5 + 7| x -2
7	(a.) A boy standing on the ground throws a ball, which rises 20 meters above the ground. When the ball was coming down, another boy caught that ball at a height of 5 meters above the ground. Calculate the total distance that has been covered by the ball.
8	(b.)Write a set builder notation that describes the numbers which are represented in the number line below. 
9	Solve (a.) $\frac{8}{9} \div \frac{2}{9}$
	(b.) $2\frac{2}{5} \times 5\frac{1}{6}$

STRAND 2 BASIC ALGEBRA

1	When simplified, $4x^2 + x^2 - 3x + 5$ is equal to A. $7x^2$ B. $2x^2 - 3x$ C. $5x^2 - 3x + 5$ D. $5x^4 - 3x + 5$
2	Which of the following is a binomial? A. $4xyz$ B. $4xyz + 3uvw$ C. $4xyz + 3uvw + rst$ D. $4xyz + 3uvw + rst + ps$
3	When fully simplified, $\frac{6xy}{3yz}$ is equal to: A. $\frac{6xy}{3yz}$ C. $\frac{2x}{z}$ B. $\frac{3xy}{yz}$ D. $\frac{3x}{z}$

4	Like term as $4pq^2 r$ is A. $-5pq^2 r$ B. $-5p^2qr$ C. $-5pqr^2$ D. $(-5pqr)^2$
5	A **polynomial** is an expression that has A. one term B. two terms C. three terms D. more than two terms **(1mark)**
6	In the expression $-4x^5$, ***x*** is referred to as A. term B. power C. coefficient D. pronumeral