

PENANG SANGAM HIGH SCHOOL
YEAR 9 MATHEMATICS
WEEK 3
Dates: (14/06/21) to (18/06/21)

1	The property that is normally used to expand the brackets as shown in the example below would be: $x(x - 3)$: A. Associative B. Commutative C. Distributive D. Aromatic
2	The expression $4a + 2a$ when simplified gives : A. $a + 2a$ B. $6a$ C. $8a^2$ D. $6a^2$
3	The expression $4^0 + x^0$ when simplified will give A. $4x$ B. $4x^0$ C. 2 D. 5
4	The value of $-(-3)^2$ would be A. -9 B. $ -9 $ C. 9 D. $-(-9)$
5	Sera had 5 coconuts in the basket. She took out two coconuts because they were bad and added eleven more coconuts. How many coconuts are in the basket altogether? A. 7 B. 11 C. 3 D. 14
6	The expression $3(f + 5)$ when expanded would give A. $3f + 5$ B. $3f + 15$ C. $3f + 8$ D. $8f$
7	$(x^3y^2)^3$ is equal to A. x^9y^6 B. x^6y^6 C. x^9y^5 D. x^6y^5

8	Which of the following is a numerical fraction? A. $\frac{1}{6}$ B. $\frac{1}{6}y$ C. $\frac{y}{6}$ D. $\frac{1}{6y}$
9	Simplify (a.) $\frac{x}{8} \div \frac{3x}{8}$ (b.) $-x - 5y + 4x - 2y$
10	(a.) Solve the equation $3(x - 2) = 9$ (b.) If $x = 2, y = 0.3$, Evaluate: $2y - x^2$
11	Simplify (a) $(-3a) \times (-2ab)$ (b) $-(4n^3)^2$
12	If $x = 2, y = 0.3, z = -\frac{1}{2}$, Evaluate the following: (a) $2y + x^2$ (b) $\frac{xy}{z}$
13	Expand and Simplify : (a) $2(a + 3)$ (b) $2x^2 - 3(x - 1)$
14	Solve the equation (a) $4(x - 5) = 36$ (b) Solve $\frac{F}{5} = 6$
15	(a) Solve for x (b) Solve the in-equation. $4t - 5 > 11$ $\frac{2}{7}x + 3 = 5$
16	Simplify the following expressions. (a) $x^3 \times 5$ (b) $6g^5 \times 3g^3$ (c) $5x + 7y + 2x + y$