BA SANGAM COLLEGE
YEAR 9
MATHEMATICS
WORKSHEET 4

1. Which of the following statement is true?
   A. 3 < 2
   B. 0 > 3
   C. -1 > 4
   D. -6 > -7

2. Which of the following set is arranged in ascending order?
   A. {4, 5, 6, -7}
   B. {-1, 0, 1, -2}
   C. {-2, 4, 8}
   D. 0, -1, -2, -3}

3. If a=-2 and b=-7, then the sum of a and b will be equal to:
   A. 9
   B. 5
   C. -5
   D. -9

4. a x a x a x a x b x b when expressed in base index form is equal to:
   A. $a^4 b^2$
   B. a b
   C. 3a.2b
   D. $a^2 b^4$

5. [(4+2)+2 x 6] – [10 – (2 x 1)]is equal to:
   A. 10
   B. -10
   C. 40
   D. 36

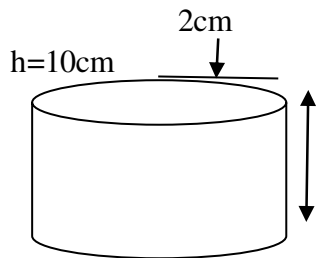6. Which of the following is not a rational number?
   A. 4
   B. -9
   C. 8
   D. Π

7.You must paint a wall of a room that is 6metres wide and 8 meters high. What is the area of the wall?

8. Find $\frac{3}{5}$ x $\frac{2}{7}$

9. Work out $\frac{10}{3}$ ÷ 5 ½

10 Work out the following $\frac{1}{2}$ x $\frac{2}{3}$ + $\frac{2}{7}$

11. Find the volume of given figure

2cm
h=10cm

12. Find the value of

(a) $\left| -5 \right| + \left| 4 \right|$

(b) $\left| -6 \right| ÷ \left| -3 \right|$

13. A soccer ball has a radius of 7cm. What will be its surface area?

14. Work out

(a) (-2) + (-4)

(b)   9 + (-4)