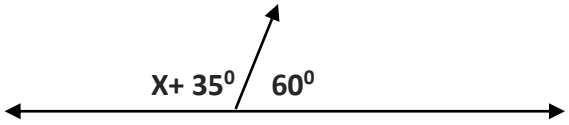
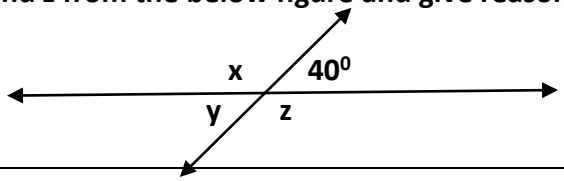
INDIAN SCHOOL MUSCAT–MIDDLE SECTION–DEPARTMENT OF MATHEMATICS – TERM:01 (2018 –19)

NAME OF THE STUDENT : **CLASS :7** **SEC :** **DATE : 27.08.18**

SUB: MATHEMATICS **REVISION WORKSHEET NO : 01**

S.NO	ANSWER THE FOLLOWING QUESTIONS
1	Find the product of (- 3) × (-12) ×(70)
2	Add: 4a, 13b, (-6b), (-45a)
3	What is the value of x, if thrice x and x form a linear pair.
4	Write the standard form of $\frac{10}{-24}$
5	Find the value of $(-3)^2 \times (-2)^3$
6	Find the sum of -64, +18, -35, 125, -17
7	Write an equation for " Take away half of a number from seven to get 45".
8	Find the value of 2p – 5p + p when p = 2
9	Simplify by rearranging: $(-25) \times 189 \times 4$
10	Find the solution of $4y = -36$

S.NO	ANSWER THE FOLLOWING QUESTIONS
1	Simplify {(– 23 + (– 7)} ÷ (– 5)
2	Write $\frac{125}{343}$ in exponential form.
3	Represent $\frac{-5}{3}$ on a number line.
4	Which is smaller? – 48 – (– 12) or (– 48) – 25 or (– 48) × (– 5) or (– 48) ÷ (12) (show the working)
5	Write four rational numbers equivalent to $\frac{-7}{13}$
6	Arrange $\frac{-3}{4}, \frac{5}{-12}, \frac{-7}{16}$ in ascending order
7	Write the coefficient of (i) 'x' in – 9xy and (ii) 'b' in $7a^2bc^3$
8	Subtract 2xy – 8 from $5x^2 + 3xy + 12$
9	Simplify: 4a – 10b – (– 8a + 4b)
10	Simplify 2m + 8n – 6m – 3n + 5 then evaluate when m = 1 and n = 2
11	Write in standard form (i) 2313200000 (ii) 745.36

12	**Find the value of 'x' in the adjacent figure.** **Give reasons to support your answer** 
13	**Find the sum of 2x – 6y + z and 3x + 2y – 2z**
14	**a) Find the complement of 43^0 b) If one angle of a linear pair is 78^0, find the other angle.**
15	**Simplify [(- 15) ÷ (- 3)] x [32 ÷ (-8)]**
16	**Subtract (3mn + 2m – n) from the sum of (mn – 2m + 2n) and (4mn + 5m + 4n)**
17	**Find the measures of angles x, y and z from the below figure and give reasons to support your answer** 
18	**Simplify using suitable properties : (i) [- 10 × -45] + [- 54 × -10] + [-10] (ii) (-92) × 99**
19	**Find four rational numbers between -2 and (-1)**
20	**Solve: a) 34 – 5(p + 1) = 4 b) 2(m + 7) = 3(m – 10) c)** $\frac{3m-2}{m+4} = \frac{5}{6}$ **d) 5 – 2k = -13**
21	**The perimeter of a triangle is (7x – 10) cm. Two of its sides are (x – 6)cm and (3x + 2)cm. Find the third side.**
22	**If $A = 3x^2 – 5x + 7$, $B = 2x – 8x^2 + 9$, $C = 7 + 5x^2 – 3x$, find A – B + C.**
23	**Pick out the sets of like terms: 9abc, – 4ab, – 7pr, 2bac, 3ba, rp, r^2p, 8pr, 12ab, 5ac, 6pr**
24	**Write the following as algebraic expressions:** **a. 8 more than a number 'x' subtracted from the product of 'p' and 'q'** **b. 12 added to three-sevenths of a number 'x'** **c. 17 subtracted from 5 times a number 'y'**

INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS (2018-19)

CLASS: 07 **PORTION FOR THE FIRST TERM EXAMINATION** **TOTAL MARKS - 80**

S.NO	TOPIC
1	INTEGERS
2	RATIONAL NUMBERS
3	LINES AND ANGLES
4	EXPONENTS AND POWERS
5	ALGEBRAIC EXPRESSIONS
6	SIMPLE EQUATIONS