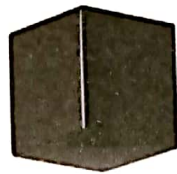
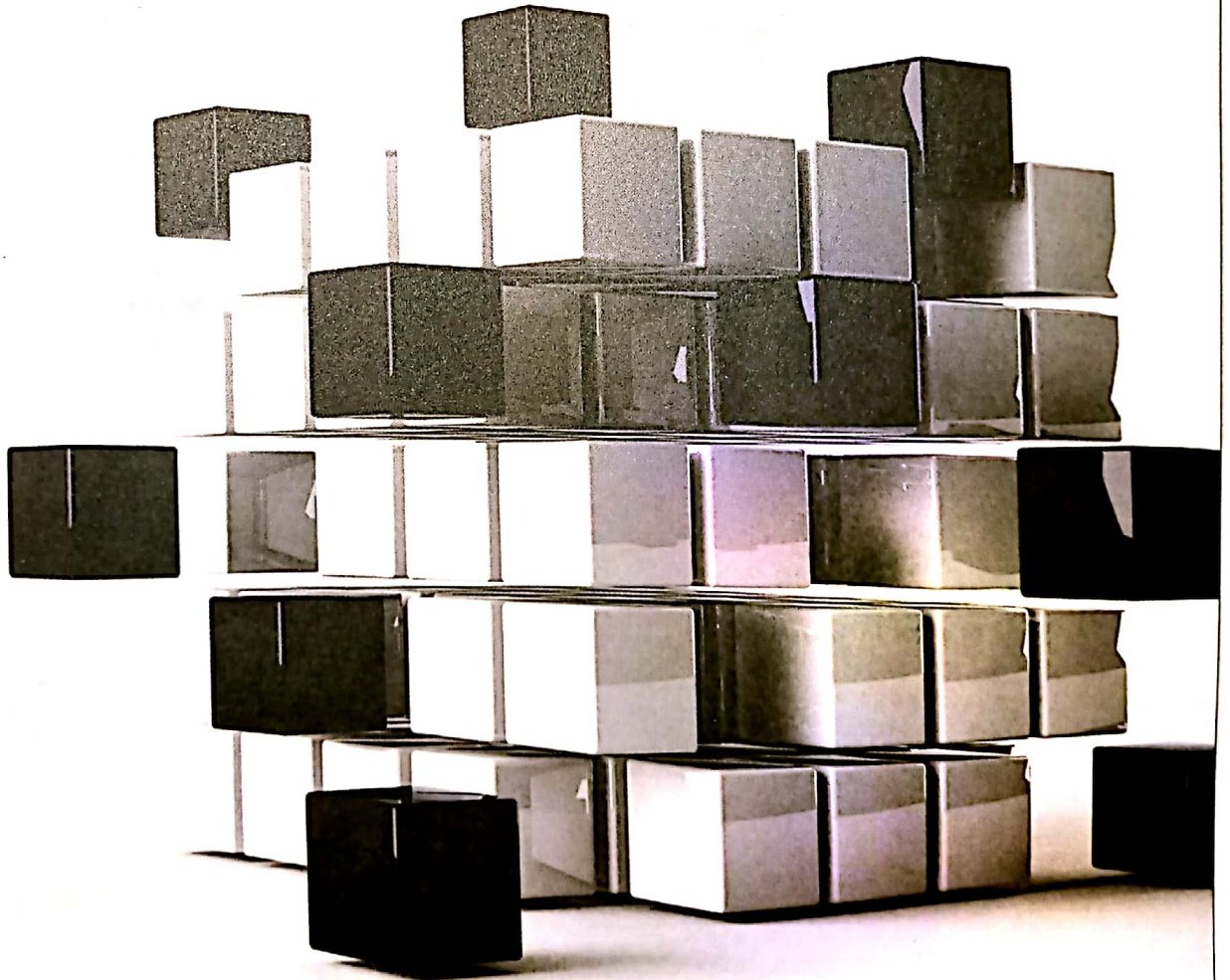


Chapter

Four



Basic Algebra and Algebraic Manipulation



CHAPTER # 4

SOLVED WORKSHEET

BASIC ALGEBRA AND ALGEBRAIC MANIPULATION

MCQ'S (Ex # 4A, 4B, 4C)

① If $x=2$ and $y=-1$, then $4x-7y=$ _____
(a) 12 (b) 14 (c) 15 (d) 47

② The sum of $8x$ and $-2x$ is _____
 (a) $6x$ (b) $10x$ (c) $8x$ (d) $16x$

③ $a(b+c) =$ _____
(a) $a+bc$ (b) $ab+bc$ (c) $ab+c$ (d) $ab+ac$

④ Expand $-3(c+6) =$ _____
(a) $-3c-6$ (b) $-3c-36$ (c) $-3+6c$ (d) $-3c-18$

⑤ Simplify $5a+2a =$ _____
(a) $3a$ (b) $10a$ (c) $2a$ (d) $7a$

⑥ Expand $3x(5x) =$ _____
(a) $8x^2$ (b) $15x^2$ (c) $53x^2$ (d) $35x$

7 In 5^4 , 4 is called the
(a) Variable (b) Square (c) cube (d) Index

8 $a \times a \times a =$
(a) $3a$ (b) a^3 (c) $3a^3$ (d) $3a^2$

9 In $3a$, a is called the
(a) Variable (b) digit (c) coefficient (d) power

10 $3^2 =$
(a) 9 (b) 6 (c) 5 (d) 32

11 In expression $4x$, '4' is called
(a) variable (b) constant (c) coefficient (d) equation

12 $6x - 12 =$
(a) $6(x-2)$ (b) $2(6x-6)$ (c) $6(x-12)$ (d) $6(6x-12)$