

**HHS School System (O Level)**  
**Class VI Mathematics Worksheet 1**  
**Ex 6B, C and Ex10 A**

**Q1. Write the following statements in terms of algebraic expressions.**

- (i) Add 4 to the product of  $h$  and 7.
- (ii) Subtract 4 from the product of  $k$  and 7.
- (iii) Sara had 14 needles in her sewing kit. She lost  $x$  needles. Write the expression for the number of needles she has now.
- (iv) Mira has 16m cloth. She is making dresses for  $d$  dolls. Write the length of fabric used for each doll.
- (v) Aslam got Rs.  $m$  on his birthday. He spends half of the amount. Later his mother gave him an extra amount of Rs. 500. How much money he had left with?

**Q2. Factorise each of the following:**

- (i)  $5x + 35xy - 10xyz$
- (ii)  $4cx - 8dx + 2cdx - 2x$

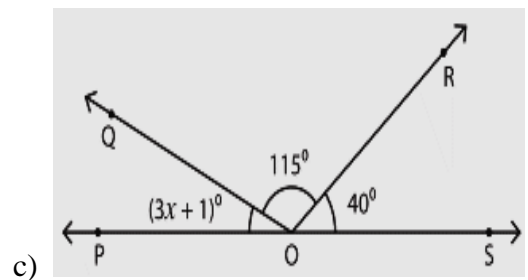
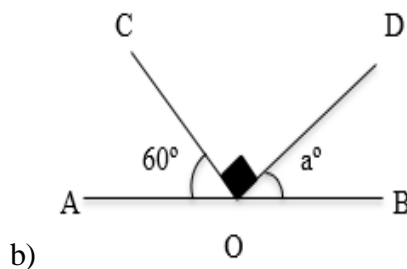
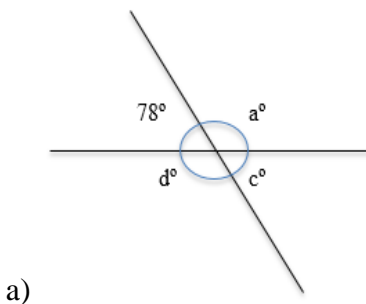
**Q3. Simplify each of the following:**

- (i)  $[14a - (9d - 13d) - 18c]$
- (ii)  $[-8m + 15n - 24m - 3n]$
- (iv)  $5(2a - 7b) - 4(y - 3x)$

**Q4. Subtract**

- (i)  $7p - q + 3r + 3$  from  $4p + 2q - 5r - 1$

**Q5. Find the value of unknowns in each of the figures.**



**Q6. Find the value of unknown angles:**

**$a^\circ$ ,  $b^\circ$  and  $c^\circ$  are three angles lying on a straight line.**

- (i) If  $b = 25^\circ$  and  $c = 55^\circ$ , find  $a^\circ$
- (ii) If  $a^\circ = 2b$  and  $c^\circ = 7b$ , find the value of  $b$

