ADMISSION TEST PAPER 2024-25
SUBJECT: MATHEMATICS
CLASS: 7

Name:		Duration: 30 min	
Date:		Marks Obtained:	/25

Q1i. Find HCF and LCM of the following   (/3)

   16, 24, 40

Q1ii. Find √4900 by using prime factorisation   (/3)

Q2 i. Find the value of each of the following   (/3)

   a. $(-4^2) \div (-8) + 3 \times -2^3$

Q2. By using a number line arrange the following.   (/3)

   $\frac{5}{8}, -8, 10\frac{1}{2}, 5.855, -2$ (descending order)

Q3i. Subtract the following algebraic expressions. (/3)

a) $6n - 2m + 16p \: from \: 10m + 6n - 10p$

Q3ii. Given that $a = 4, b = 5 \: and \: c = -2$, evaluate each of the following expression. (/4)
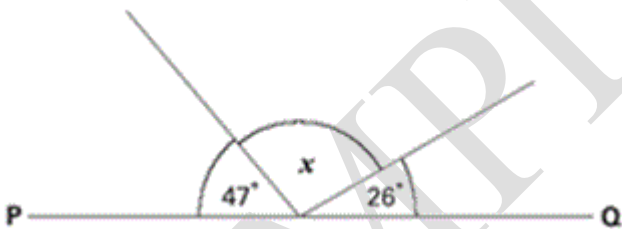
a) $4a - 2b + 6c$ b) $(a - b)^2 - (b - c)^2$

Q4i Find the value of the unknown in the figure. (/3)

.

Q4 ii. Considering the two lines are parallel to each other and are cut by a transversal, find the unknown angle.

(/3)