

DELHI PUBLIC SCHOOL, JAMMU

SESSION 2024-25

Assignment -II

Class: VII

Subject: Maths

Topic: Lines and Angles & Simple equations

MM: 20

Read carefully and answer the following questions.

Q1: If two lines are parallel, what is the measure of the corresponding angles when a transversal intersects these lines? (1)

- A) 45° B) 60° C) 90° D) Equal

Q2 The measure of the complement of the angle 30° is (1)

- (A) 30° B) 16° C) 60° D) 160°

Q3: What is the measure of an angle formed by a perpendicular bisector of a line segment? (1)

- A) 30° B) 45° C) 60° D) 90°

Q4: Solve the following equation: (2)

$$3(y - 2) = 2(y - 1) - 3$$

Q5: Find the angle which is equal to its complement. (2)

Q6: If the angles $(4x + 4)^{\circ}$ and $(6x - 4)^{\circ}$ are the supplementary angles, find the value of x. (3)

Q7 The length of a rectangle is twice its breadth. If its perimeter is 60 cm, find the length and the breadth of the rectangle. (3)

Q8 Rekha and Sonam took some money and went to a market. Sonam bought a colouring book for Rs135 and Rekha spent Rs 535 to buy a set of story book. After the shopping both of them have the same amount of money left. If Rekha took twice the amount of money that Sonam took, what are the amount of money each took at the beginning? (3)

Q9: In the adjoining figure $P \parallel Q$ find the unknown angles. (4)

