Grade 7 - First Unit Test

Practice Paper 2

Mathematics

Based on Maharashtra Board Syllabus (NEP 2025-26) - 1st Quarter

Instructions:

- Duration: 1 hour
- Maximum marks: 20
- All questions are compulsory
- Show all your working clearly

Section A: Rational Numbers and Integers (8 Marks)

1. Solve the following: **[4 marks]**

a) Add: (-8) + (-12) = _____

b) Subtract: (-5) - 9 = _____

c) Multiply: 7 × (-4) = _____

d) Divide: 60 ÷ (-12) = _____

2. Answer the following: **[4 marks]**

a) Write the rational number for "five-eighths". = _____

b) Convert 0.75 into a rational number (fraction in simplest form). = _____

c) Write the multiplicative inverse of -1/3. = _____

d) Compare using >, <, or =: -2 ____ -7

Section B: Indices and Algebraic Expressions (6 Marks)

3. Solve the following using laws of indices: **[3 marks]**

a) $3^5 \times 3^2 =$ _____

b) $7^8 \div 7^3 =$ _____

c) $(4^3)^0 =$ _____

4. Solve the following algebraic expressions: **[3 marks]**

a) Add: $(5a - 3b) + (2a + 4b) =$ _____

b) Subtract: $(9x - 5y) - (4x - 2y) =$ _____

c) Identify the like terms in: 5p, -2q, 8p, -q = _____

Section C: Simple Equations and Geometry (6 Marks)

5. Solve the following simple equations: **[3 marks]**

a) $y - 3 = 10$. Find y. = y = _____
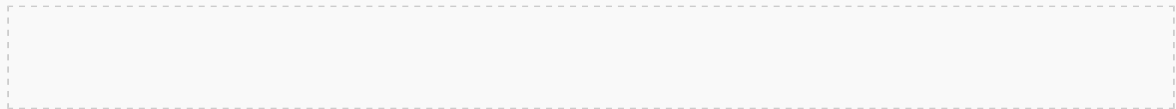
b) $4x = 28$. Find x. = x = _____

c) q/6 = 3. Find q. = q = _____

6. Answer the following geometry questions: **[3 marks]**

a) If two angles are complementary and one is 55°, find the other. = _____ °

b) If two angles are supplementary and one is 80°, find the other. = _____ °

c) Draw a rough sketch of a pair of adjacent angles.

End of Practice Paper 2