

Greenlawns High School

First terminal examination 2022-23

Std: VI Subject: Mathematics Marks: 60 Time: 1 ½ hour

Note:

- All the answers should be written on the answer booklet provided.
- First 10 mins are provided only to read the question paper.
- No writing answers on the question paper.
- Rough work must be done on the same page as the rest of the answers.
- Attempt all questions.
- Do not copy the questions

[SECTION A]

Q1] FILL IN THE BLANKS:

10M

1] Negative of -55 is _____

2] Fill in the box with < or > to make the statement true: - 23 - 8

3] State true or false: $\frac{7}{9} = 1\frac{1}{9}$.

4] Write the statement in algebraic form:

x subtracted from 8 is less than y.

5] 3.72 kg(kilogram) = _____ gram(g)

6] The number of decimal places in 0.345 is _____

7] Add : $5x^2$ and $8xy$.

8] $38ab - 15ba =$ _____

9] Solve: $2y = 68$

10] $1.4 \div 1000 =$ _____

QUESTION 2] DO AS DIRECTED.

10m

1] a) Write the degree of the following polynomial

[1m]

$$4 - 4k - 4k^3$$

B] Write the coefficient of :

[1m]

xy in $-16xyz$

2] Arrange the given integers in descending order.

[2m]

-9, 0, 5, -15, -4, 2

3] Evaluate :

[2m]

i) $-9 + (-4)$

ii) $6 + (-7)$

4] Simplify.

a) $3\frac{1}{2} - 2\frac{1}{5}$

[2m]

b) $[\frac{24}{35} \div \frac{6}{7} + \frac{5}{9}]$

[2m]

QUESTION 3]

10m

1] Add:

a) $9xy + 8x^2$ and $-15xy + 2x^2$

[2m]

b) Solve

$2x + 5 = 3x - 2$

[2m]

2] There are 12 dozen apples in a tray. $\frac{5}{24}$ of them are rotten and $\frac{1}{3}$ of them were eaten. How many apples are left in the tray?

[3m]

3] subtract $x - 2y - z$ from the sum $3x - y + z$ and $x + y - 3z$.

[3m]

[SECTION B]

QUESTION 4]

12m

1] Multiply : $xy - yz$ and x^2yz^2

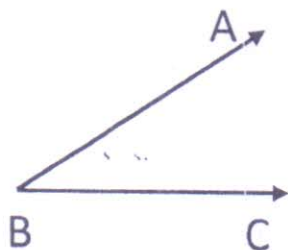
[2m]

2] In the figure drawn below identify and write the names of the following.

[2m]

a) vertex

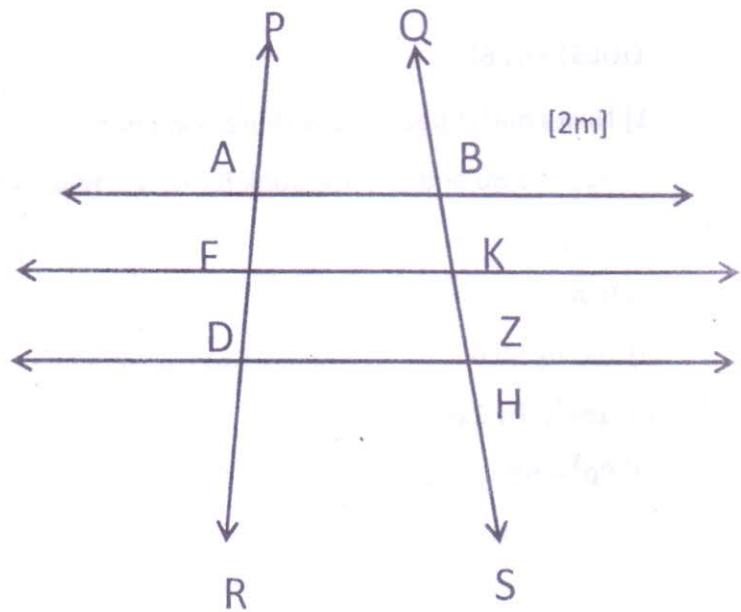
b) arms of the angles



3] From the adjoining figure, write:

a) pairs of parallel lines. (Any 2)

b) lines whose intersection point is F



4] a) $3x + 5 + 2x + 6 + x = 4x + 21$

[3m]

b) Solve: $5(y - 2) - 2(y + 1) = 3$

[3m]

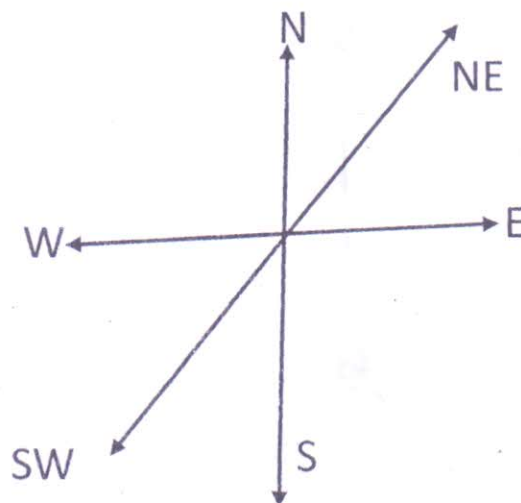
QUESTION 5]

9m

1] Identify the type of angle formed:

[3m]

- a) North and South pole
- b) North and North-East
- c) West and North-East



2] A piece of cloth is 5m long. After washing, it shrinks by $\frac{1}{25}$ of its length.

[3m]

What is the length of the cloth after washing?

3] Classify the following expressions as monomial, binomial or trinomial.

[3m]

$-56x$, $5x - 3y$, $2x^2 - 7x + 10$, $2a + \frac{b}{2}$, 9 , and $6y^3 + 3y - 21$.

QUESTION 6]

9m

1] Nikita had rupees 200 with her. She purchased her maths book for

3m

Rupees 53.80 and science book for 67.25. how much money is left with her?

2] Divide:

3m

i} 100 by 50 b

ii} $-16x^2y$ by $2xy^2$

iii} $9p^3 - 6p^2$ by $3p$

3] Study the figure drawn below and answer the questions written below:

3m

Identify and name the following.

i} Name any 2 segments.

ii} Name a ray

iii} Name 3 collinear points.

iv} a line

