KENYA NATIONAL EXAMINATION AND ASSESSMENT PREDICTION SERIES

ENDTERM 2 ASSESSMENT 2025

GRADE 9

MATHEMATICS

MARKING SCHEME

SECTION A

1. C
2. C
3. B
4. C
5. A
6. C
7. B
8. A
9. D
10. C
11. A
12. A
13. B
14. A
15. C
16. A
17. C
18. A
19. B
20. D

SECTION B

21. a) 5 buses
    b) Ksh 60,000
    c) Ksh 12,000
    d) Ksh 72,000
    e) Ksh 82,500
    f) Profit of Ksh 10,500

22. a) 4000 m^2

    b) 260 m

    c) Ksh 39,000

    d) 3000 m^2

    e) 1000 m^2

    f) 15,000 kg

23. a) Ksh 5,000

    b) Ksh 8,000

    c) Ksh 3,000

    d) Ksh 36

    e) Ksh 540

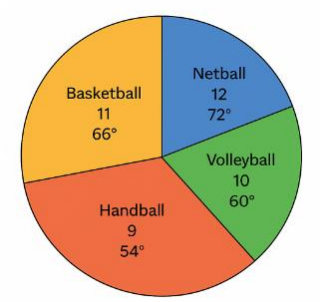
    f) 20%

24.

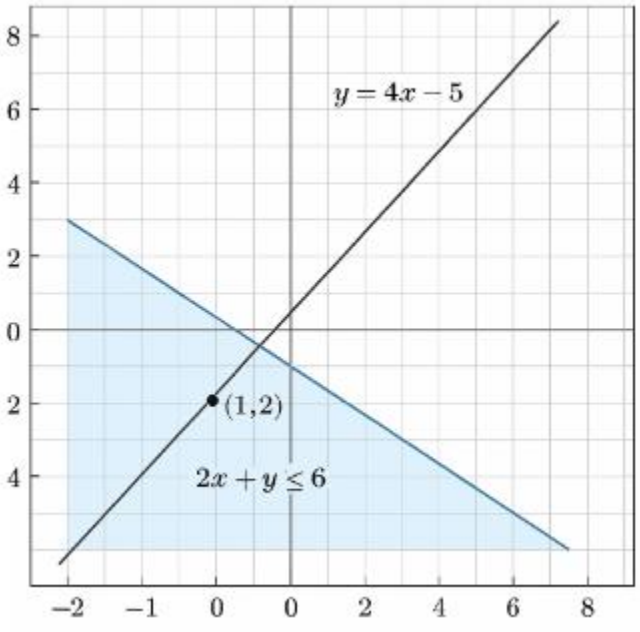
$$\begin{pmatrix} 7 & 4 \\ 4 & 4 \end{pmatrix}$$

25. 21
26. 166.67 USD
27. 3000 liters
28. 747.80 cm^2
29. 3 g/cm^3
30. 7.07
31. 3
32. x = 3.6, y = 0.6
33. (Pie chart description with angles)

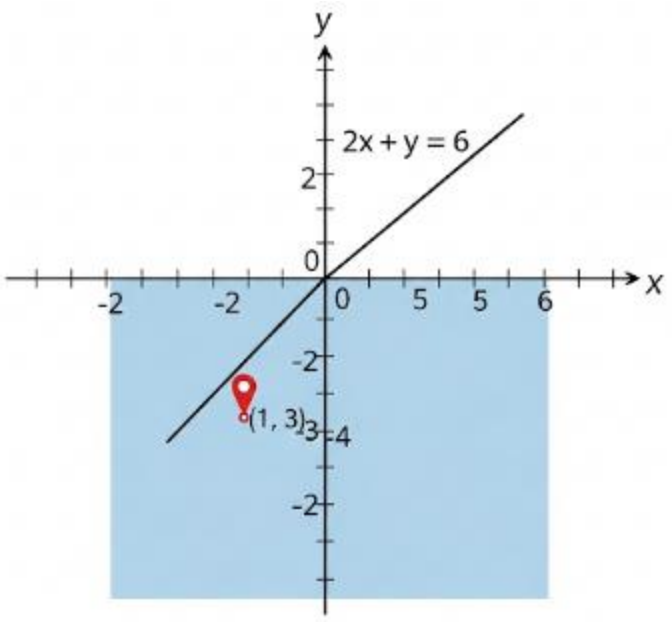
    - ✓ Football: 108°
    - ✓ Netball: 72°
    - ✓ Volleyball: 60°
    - ✓ Handball: 54°
    - ✓ Basketball: 66°



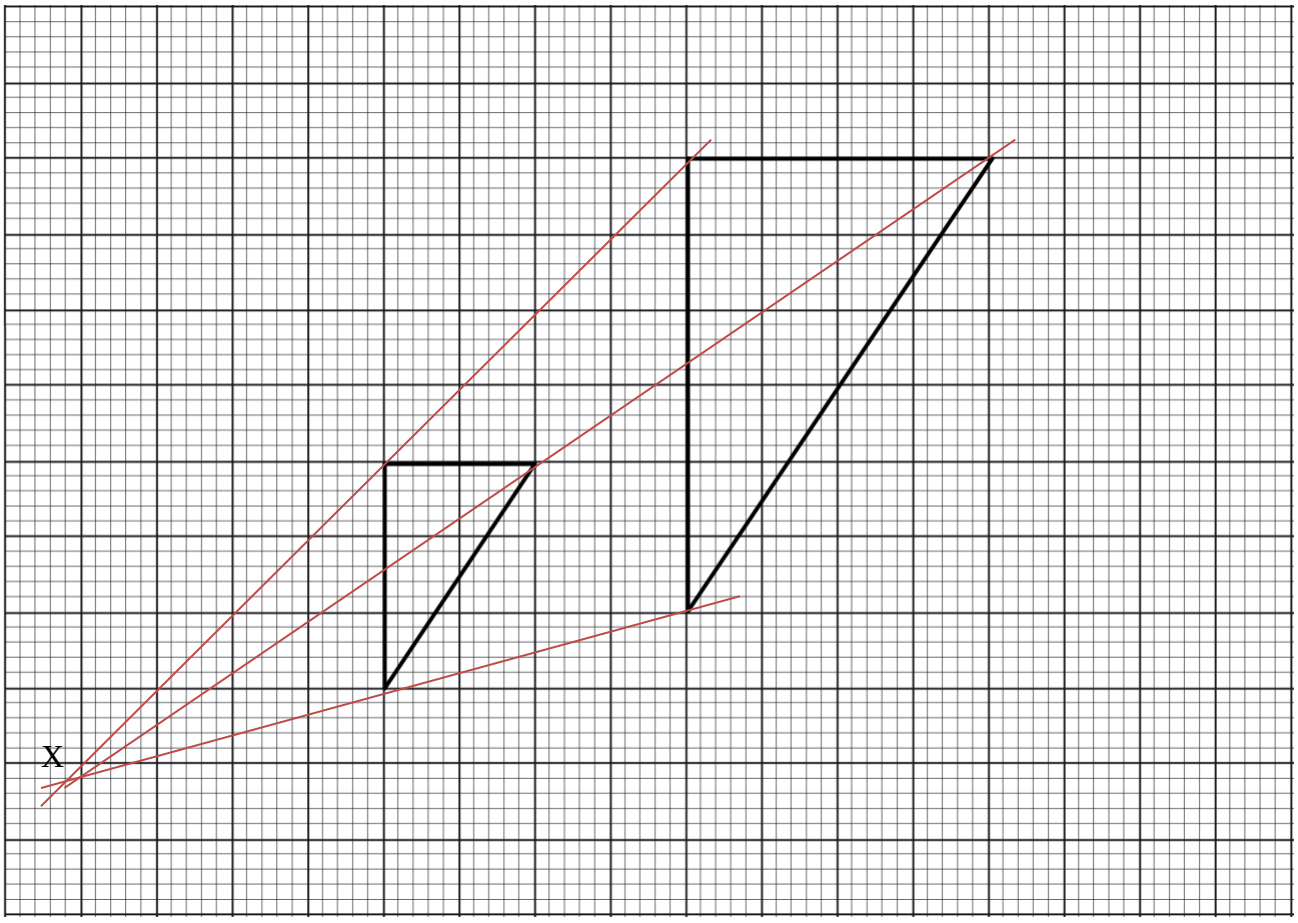
34. y = 4x - 5 (Drawing required on graph)



35. (Inequality 2x+y≤6 represented on graph, shaded region below or including the line)
    1. One suitable value: (0, 0)



36. a) Scale factor 2

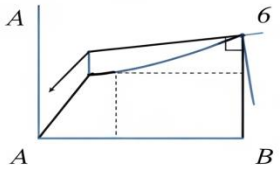


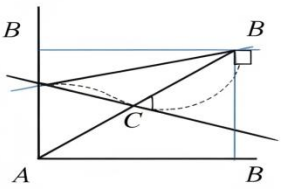
b) (Point X marked on grid, intersection of lines connecting corresponding vertices)

37. a) (Construction of triangle ABC with AB=6cm, BC=8cm, AC=10cm using ruler and compass) b) (Measured angle ABC from the constructed triangle)

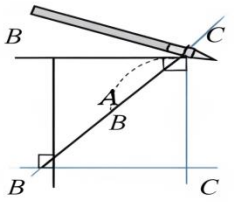
Construction of ABC with BC = 8 cm, AC = 10 cm

only a ruler s and compass





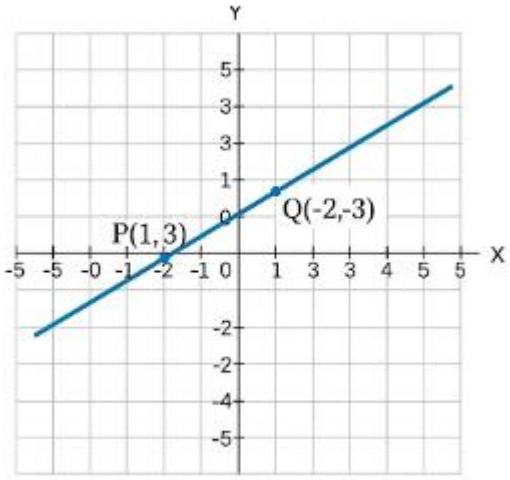
1. Draw a line segment AB of 6 cm length 6 cm
2. With A as the center and a radius of 10 cm. draw an arc
3. With B as the center and a radius 8 cm, draw another arc
4. The point of intersection of these trarcs is C Join AC and BC to complete the triangle



38. a) (Cartesian plane from -5 to 5 drawn)

b) P(1, 3) and Q(-2, -3) plotted

c) Line passing through P and Q drawn; Equation: y = 2x + 1



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