#### **GRADE 10**

#### **NOVEMBER EXAMINATION**

#### **MATHEMATICS PAPER 1**

#### NOVEMBER 2022

TIME: 120 minutes marks

100

#### PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- This question paper consists 7 pages.
  - Please check that your quesstion paper is complete.
- Read the questions carefully.
- CALCULATORS ARE ALLOWED IN THIS ASSESSMENT.
- All the necessary working details must be clearly shown. Answers only will not necessarily be awarded full marks.
- It is in your own interest to write legibly and to present your work neatly.

#### QUESTION 1

(a) Solve the following:

(1) 
$$(x-2)(x+1)=0$$

(3)

(44)

(2) 
$$\frac{x-1}{2} = 3 - \frac{x+2}{5}$$

(3) 
$$(x+2)(x-3)=6$$

 $(4) \quad 3.2^{x+2} - 0.75 = 0$ 

(b) Solve for x and y simultaneously:

$$2x + 3y = 10$$

$$x - 4y = -6 \tag{5}$$

[17]

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