



GRADE 12

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE/SENIOR SERTIFIKAAT
NATIONAL SENIOR CERTIFICATE/
NATIONALE SENIOR SERTIFIKAAT

GRADE 12/GRAAD 12

MATHEMATICS PU/WISKUNDE VI

NOVEMBER 2020

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MARKS/PUNTE 150

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MATHS

PAPER 1 MEMO

Mathematics/P1

3
50/150



QUESTION 1

1.1 Solve for x :

1.1.1 $x^2 - 6x - 9$

1.1.2 $x^2 + 10x + 8 = 0$ (correct to TWO decimal places)

1.1.3 $(x - 3)(x + 2) < 0$

1.1.4 $\sqrt{x - 18} = x - 2$

1.2 Solve simultaneously for x and y :

$x + y = 3$ and $2x^2 + 4xy - y = 15$

1.3 If n is the largest integer for which $n^{20} < 5^{20}$, determine the value of n .

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