

TERM

1

Test I Memorandum

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- 1 a 162 km
b R926,10
- 2 a -10
b -7
c 60
d $\frac{1}{2}$
- 3 a $\frac{5}{8}$
b 0,65; 65%
c (i) $\frac{1}{2}$
(ii) $\frac{7}{2}$
d $\frac{23}{24}$
- 4 a 27,17
d 236,98
g 0,5
- 5 a 72
d -1 000 000
- 6 a $4,1738 \times 10^6$
- 7 Sequence A:
a $T_n = 3n - 1$
Sequence B:
a $T_n = 2n$
- 8 a $y = 2x - 3$
- 9 a $-5x^3 + 5x$
d $4x^2 - 5x - 2$
- 10 a $x = 6$
d $x = 5$
- b 33,651
e 17,5
h 8
b 25
e 1
b $6,52 \times 10^{-4}$
b $T_6 = 17$
b $T_6 = 64$
b $m = 155; n = 41$
b $x^2 + x - 42$
e $5x$
b $x = 4$
e $x = 12$
- c 499,7
f 6
i 0,0144
c 64
f 5 000 000
c $n = 171$
c $n = 512$
c $4x^2 - 20x + 25$
f 0
c $x = 6$
f $x = 9$