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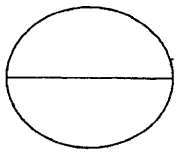
Stanmore Secondary School
Department of Mathematics
Final Controlled Test - 2020
Grade 9 - Mathematics



Time: 1 Hour
Name: _____

Max Marks : 60
Grade 9: _____

Instructions:

1. Answer all questions.
2. Use of calculator is allowed.
3. Only questions answered in ink will be marked.
4. This question paper consists of **4** pages and **7** questions.

Question One – Multiply

1.1. $(x-6)(x+2)$

_____

_____(2)

1.2. $3(4x^2+6x-9)$

_____

_____(3)

1.3. $(5x+1)^2$

_____

_____

_____(3)

Question Two – Factorise fully

2.1. $3x^2y-9xy^2+12x^2y^3$

_____(2)

2.2. x^2-y^2

_____(2)

2.3. $x^2-9x-36$

_____(2)

2.4. $3(a-4b)+h(a-4b)$

_____(2)

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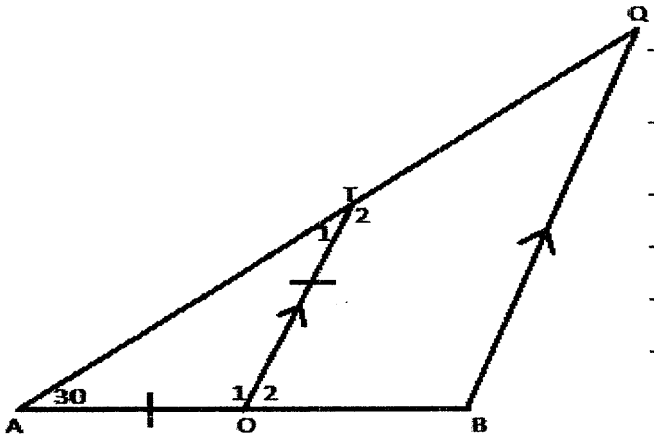
5.2. OT ∥ BQ ; AO = OT and $\hat{A} = 30°$.

Determine the measurement of $\widehat{T_1}$, $\widehat{O_1}$ and $\hat{B}$ providing reasons to support your answers.



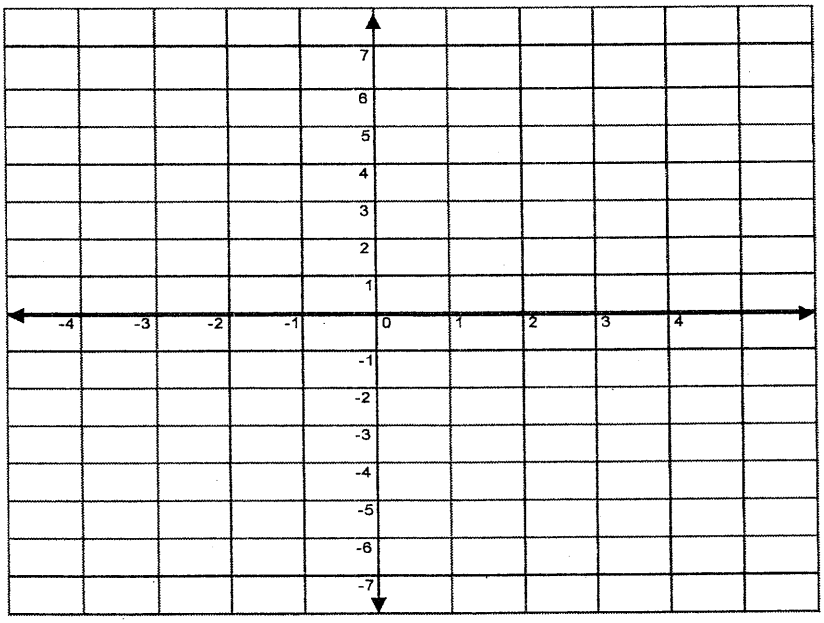
(6)

Question Six – Linear Graphs

6.1. On the same Cartesian plane, sketch the graphs of

$y = 2x + 3$ and $y = x - 2$

(Use the grid below. Label your graphs)



x	-2	0	2
y			

x	-2	0	2
y			

(12)