***NINE HOLE GOLF COURSE***

Prince George is getting a new 9-hole golf course, which is going to be built on a treed lot just outside of town. Your task is to come up with a layout for the golf course.

Here are a few things that the owners of the golf course would like you to keep in mind:

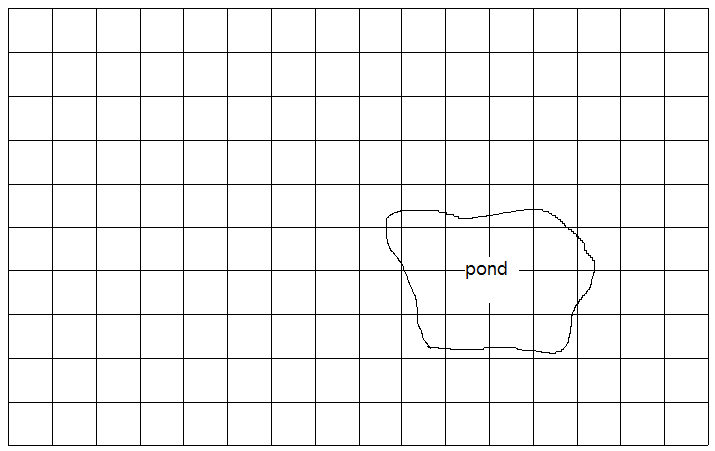
* par is the number of shots required of complete a hole in regulation
* there must be two par-3 holes, five par-4 holes, and two par-5 holes
* a par-3 must be between 150 and 200 metres in length
* a par-4 must be between 250 and 400 metres in length and can have a bend in it
* a par-5 must be between 400 and 500 metres in length — at least one par-5 must have a bend in it
* all fairways are between 50 and 100 metres wide
* hole #1 must start near the clubhouse and hole #9 must end near the clubhouse
* can never be two par-3 holes or two par-5 holes in a row
* successive holes should follow each other closely
* a pond in the middle of the property that you need to work around
* there must be some trees left on the property
* must include a clubhouse and a parking lot

To help you with your design and layout you have been provided with a scaled map of the property (every square is 50m x 50m). Present your final design on a copy of this map.

* number the holes
* indicate tee boxes with the letter T
* indicate greens with the letter G
* indicate trees that are going to be left with the letter X
* indicate the clubhouse with the letter C
* indicate the parking lot with the letter P

Here are some hints:

* golf course designers often place the clubhouse near water — it is pretty
* you may want to have the parking lot and clubhouse near the edges or corners of a property
* feel free to print and complete by hand — this is probably the best way to do the activity
* if you cannot print used lined or graph paper and a ruler to make a 16 x 10 grid
* to do on the computer use Insert to put in text boxes for the letters and shapes for the arrows
* there is more than one grid as you may need to experiment a lot — you do not have complete more than one design
* make sure our final design is clear and legible
* how you complete the golf course is up to you — just follow the rules
* below I have shown how you could start the golf course



x

x

x

x

P

3

G

T

2

G

T

1

G

T

C

P

P

Hole #1 — par 4 — 300 metres

Hole #2 — par 3 — 200 metres

Hole #3 — par 5 — 450 metres

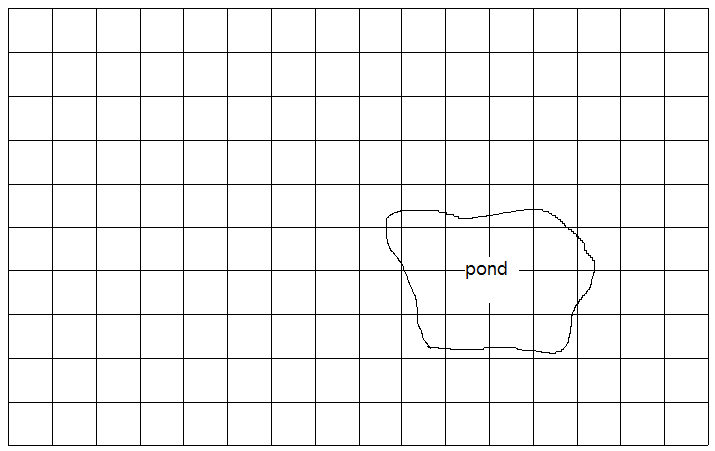
Hole #4

Hole #5

Etc.

**Nine Hole Golf Course – work grid**

**Design your Golf Course**



**Complete the following chart**

Hole #1 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #2 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #3 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #4 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #5 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #6 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #7 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

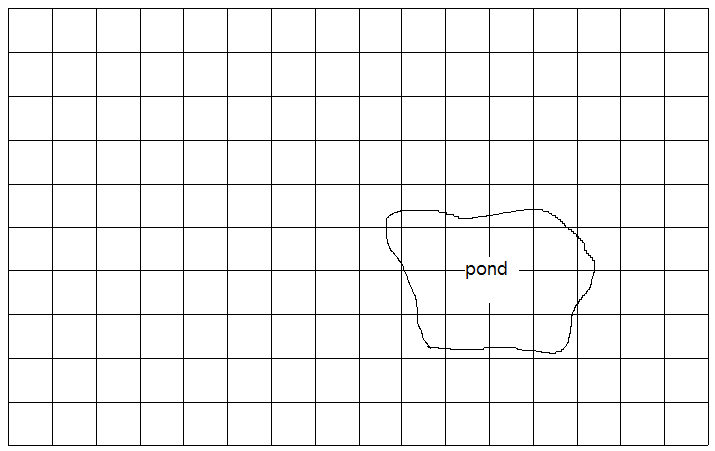
Hole #8 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #9 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

**Answer the following:** If an acre of land is equal to 4046.86 m2, how many acres does the entire property cover (round your answer to the nearest acre)? \_\_\_\_\_\_\_\_\_\_\_\_\_ acres

**Nine Hole Golf Course – work grid**

**Design your Golf Course**



**Complete the following chart**

Hole #1 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #2 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #3 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #4 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #5 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #6 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #7 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

Hole #8 — par \_\_\_\_\_\_ — length = \_\_\_\_\_\_\_\_\_\_ m

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