

F.5 Maths revision quiz

1. How many terms of A.P.
 $0.04 + 0.12 + 0.2 + 0.28$
 $+ \dots$ make a sum of
36 ?

2. In a G.P., the second
term is 6 and the fifth
term is -162. Find the
first term and the
common ratio.

3. In fig.3, AT is a line
which cuts the x-axis at
 $A(10,0)$ such that $\tan\theta =$
 $\frac{3}{4}$ and $OT \perp AT$.

a) Find the equations of
the lines AT and OT.

b) Find the coordinates
of T.

c) Find the equation of
the circle with the
centre at the origin
and touching the line
AT.