Math 19 Review Problems 12/8/14

- 1) Evaluate So sin x cos x dx
- 2 Evaluate ST16-x2 dx
- 3 Find the side lengths & angles of the triangle w/ vertices at: $\vec{A} = (1.2.0)$ $\vec{B} = (1.0.3)$ $\vec{c} = (0.2.3)$
- (a) A fly completes a circle of radius 3cm in Z seconds. Find F(+). V(+), and a(+) for this path.
- 5 Solve $z^3 = 1$. Expraess the answers in both rectangular & polar forms.

6 Find a 2rd order linear homog. diffEq which has $f(t) = 5e^{-t} - 6e^{-2t}$ as a solution.

@ For which values of C do the solutions to

involve sines & cosiner?

1 Evaluate:

a)
$$\sum_{n=1}^{\infty} n \cdot x^n$$