KING SAUD UNIVERSITY



COLLEGE OF ENGINEERING

AL MUZAHIMIYAH BRANCH

Bachelor of Engineering Program  
Calculus for Engineers (MATH 1110)

**Assignment**

1. Evaluate
2. Evaluate
3. Evaluate
5. Evaluate using integration by part method
6. Evaluate the following double integrals

1. Evaluate, where E is bounded by the parabolic cylinder and the planes and

1. Solve using the reduction formula
2. Evaluate, where R is region in the upper half-plane bounded by the circles der and
3. Evaluate
4. Evaluate
5. Evaluate, where R is region in the upper half-plane bounded by the circles der and
6. Evaluate where C is the upper half of the unit circle x2+y2 = 1