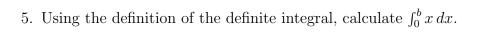
## Project Based Math 112, Fall 2001 Activity #3 — Barehands Integration

1.	Using the definition of the definite integral, calculate $\int_0^b c  dx$ (where c is a constant).
2.	Use this to find $F_1(h)$ , where $F_1(h) = \int_0^h c  dx$ (where c is a constant).
3.	Use the definition of the definite integral to calculate $\int_a^b c  dx$ (c is still a constant).
4.	Express the answer to (3) in terms of $F_1$ .

 $OVER \Longrightarrow$ 



- 6. Use this to find  $F_2(h)$ , where  $F_2(h) = \int_0^h x \, dx$ .
- 7. Use the definition of the definite integral to calculate  $\int_a^b x \, dx$ .

8. Express the answer to (7) in terms of  $F_2$ .