## No calculators, cell phones, computers, notes, etc.

Circle your answer. Make your work correct, complete and coherent.

The quiz is worth 5 points. The solutions will be posted on my website later today.

## Quiz 7, November 21, 2017, 1:15 class

Find the volume of the region bounded above by the paraboloid  $z = x^2 + y^2$  and below by the triangle enclosed by the lines y = x, x = 0, and x + y = 2 in the xy-plane.

$$Vol = \iint_{\text{base}} \text{topdd} = \iint_{\text{Y=3-x}} \chi^{2}+y^{2} dy = \iint_{\text{X=1}} \chi^{2}+y^{2} dy = \iint_{\text{X=1}} \chi^{2}+y^{3} dy$$