

NAME: _____

Triple Integral Quiz

Show your work and bring this to hand in at the beginning of class Monday:

Let E be the solid bounded between the planes $x = 1$, $y = 0$ and $2x + y = 6$, bounded below by $z = 0$ and bounded above by $z = \sqrt{x}$.

Set up an iterated integral for $\iiint_E f(x, y, z) dV$ in three different ways.