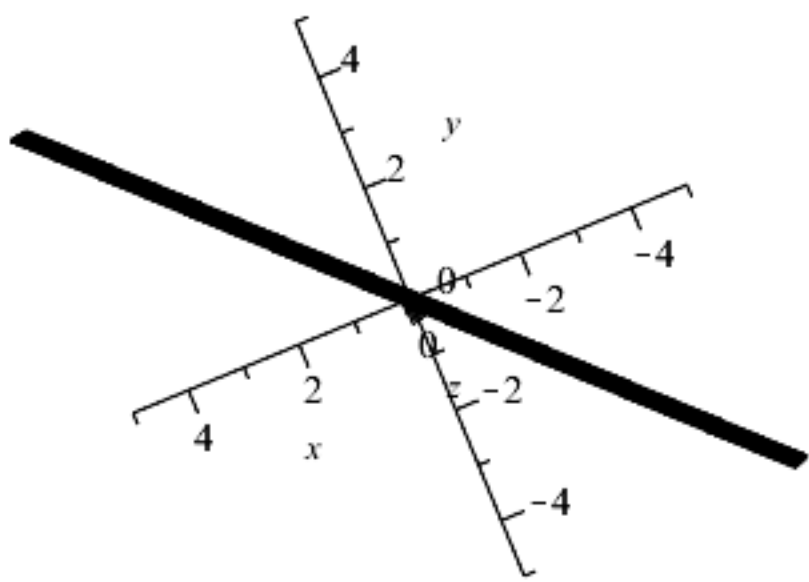


with(plots) :  
 implicitplot3d(x=y, x=-5..5, y=-5..5, z=-5..5, axes=normal, transparency=.6)



$$\int_0^1 \int_{\sqrt{3} \cdot x}^{\exp(x^2)} 1 \, dy \, dx$$

$$-\frac{\sqrt{3}}{2} + \frac{\sqrt{\pi} \operatorname{erfi}(1)}{2} \tag{1}$$

evalf(%)

$$0.5966263420 \tag{2}$$

$$\int_0^1 \int_0^{\frac{1}{\sqrt{3}} \cdot y} 1 \, dx \, dy + \int_1^{\sqrt{3}} \int_{\sqrt{\ln(y)}}^{\frac{1}{\sqrt{3}} \cdot y} 1 \, dx \, dy + \int_{\sqrt{3}}^{\exp(1)} \int_{\sqrt{\ln(y)}}^1 1 \, dx \, dy$$

$$-\frac{\sqrt{3}}{2} + \frac{\sqrt{\pi} \operatorname{erfi}(1)}{2} \tag{3}$$

evalf(%)

$$0.5966263420 \tag{4}$$