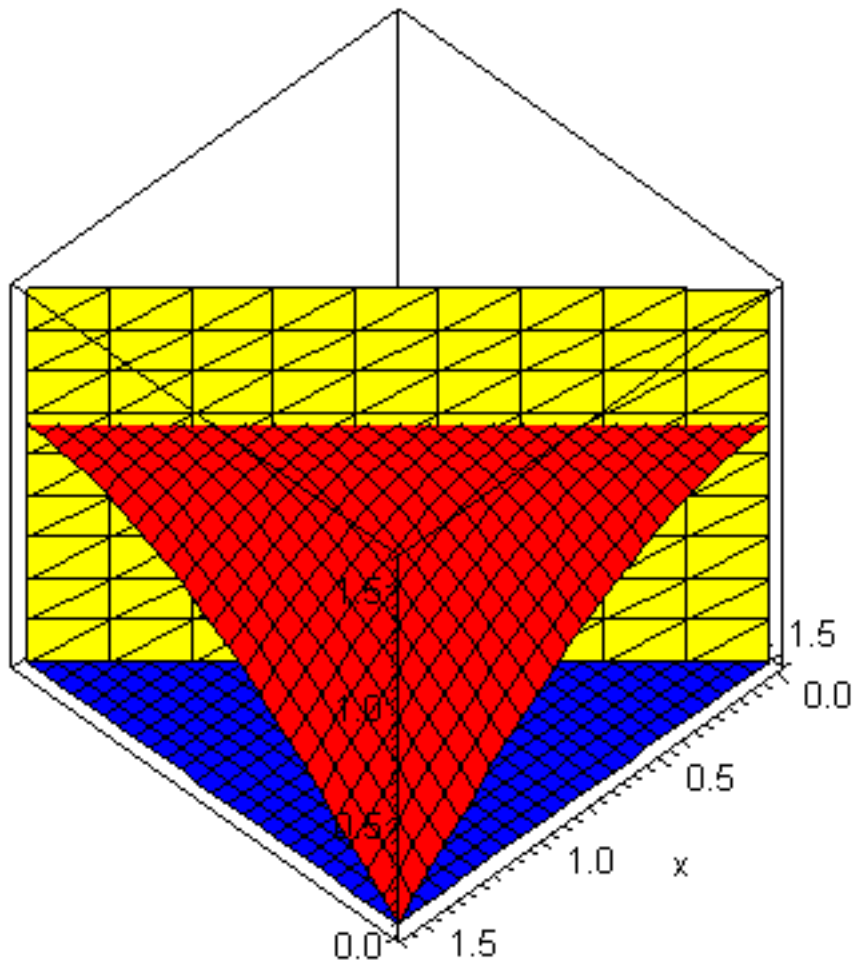


```

> restart :
>
> with(plots) : with(student) :
> a := evalf( $\frac{\pi}{2}$ );
                                     a := 1.570796327 (1)
> plot1 := implicitplot3d(x + y = a, x = 0 .. a, y = 0 .. a, z = 0 .. a,
    color = yellow) :
> g := (x, y) → sin(x + y);
                                     g := (x, y) → sin(x + y) (2)
> p := (x, y) → 0;
                                     p := (x, y) → 0 (3)
> plot2 := plot3d(p(x, y), x = 0 .. a, y = 0 .. a, color = blue) :
> plot3 := plot3d(g(x, y), x = 0 .. a, y = 0 .. a, color = red) :
> display3d({plot1, plot2, plot3}, axes = boxed);

```



- > `plot4 := spacecurve([t, a - t, 1, t=0 .. a], color = green) : spacecurve([t, a - t, 1, t=0 .. a], color = black, axes = boxed) :`
- >
- > `plot5 := spacecurve([ [  $\frac{a}{2} - t$ ,  $\frac{a}{2} - t$ , 1, t = -a .. a ], color = green) :`
- > `display3d({plot1, plot2, plot3, plot4, plot5}, axes = boxed) ;`

