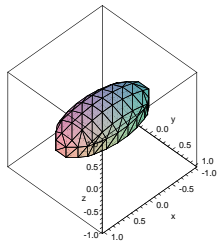


```
restart;with(plots):with(student):digits := 10;
```

Maybe worksheet for p. 847, ex 21-28

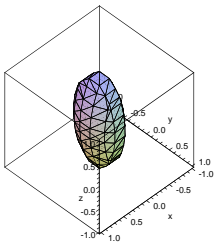
ex21

```
implicitplot3d(x^2 + 4*y^2 + z^2 = 1,x=-1..1,y=-1..1,z=-1..1,axes = boxed);
```

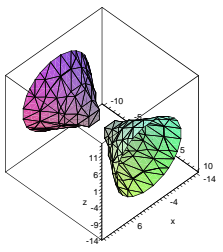


ex22

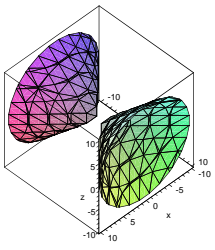
```
implicitplot3d(5*x^2 + 4*y^2 + z^2 = 1,x=-1..1,y=-1..1,z=-1..1,axes = boxed);
```



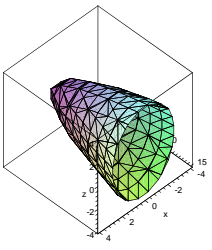
```
ex.23  
O implicitplot3d(x^2 - y^2 + z^2 = 1,x=-14..14,y=-10..10,z=-14..14,axes = boxed);  
O
```



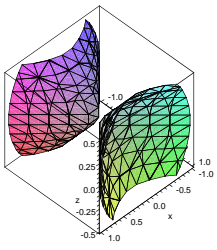
```
24  
implicitplot3d(-x^2 - y^2 - z^2 = 1, x=-10..10, y=-10..10, z=-10..10,  
axes = boxed);
```



```
ex. 25  
O implicitplot3d( y = 2*x^2 + z^2 ,x=-4..4,y=0..15,z=-4..4,axes =  
boxed);
```

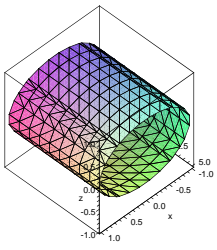


```
ex 26  
O implicitplot3d(y^2 = x^2 + 2*z^2 ,co=1.1,y=-1..1,z= -1/2..1/2,  
axes = boxed);
```



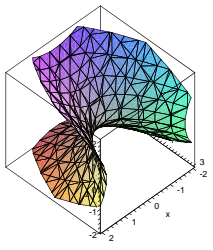
ex. 27

```
0 implicitplot3d(x^2 + 2*y^2 = 1, x=-1..1, y=-0.5..0.5, z=-1..1, axes = boxed);
```



ex. 28

```
0 implicitplot3d(y = x^2 - y^2, x=-2..2, y=-3..3, z=-2..2, axes = boxed);
```



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