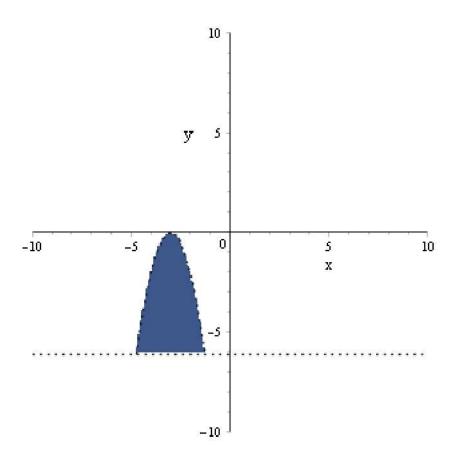
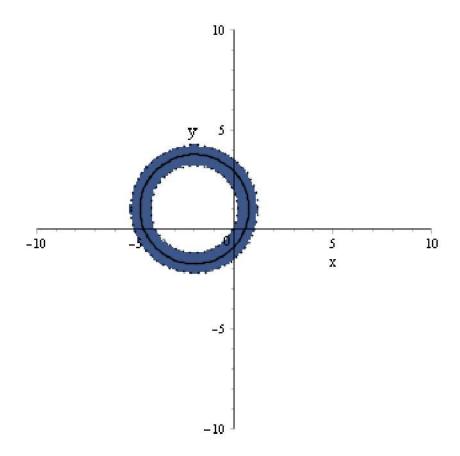


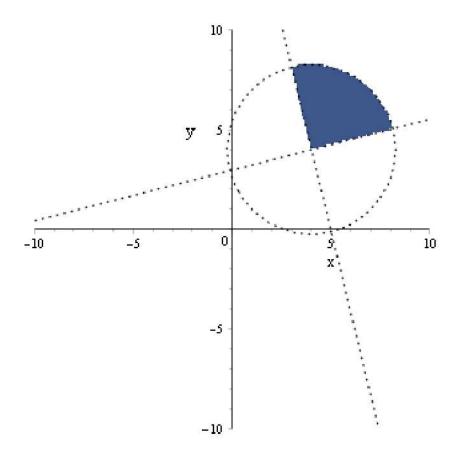
*plots*[inequal] 
$$\left\{ y < -2x^2 - 12x - 18, y > -\frac{49}{8} \right\}, x = -10..10, y = -10..10 \right)$$



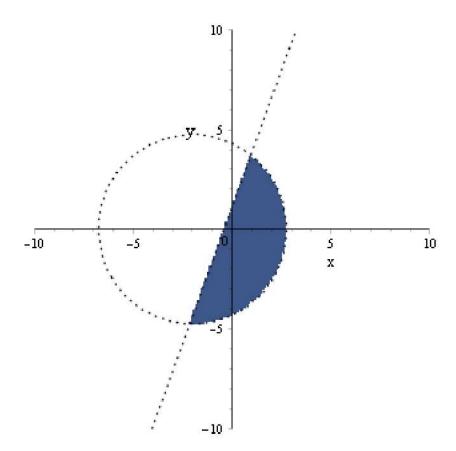
$$plots[inequal] \left( \left\{ abs \left( x^2 + 4x + y^2 - 2y - \frac{41}{16} \right) < \frac{11}{4} \right\}, x = -10..10, y = -10..10 \right)$$

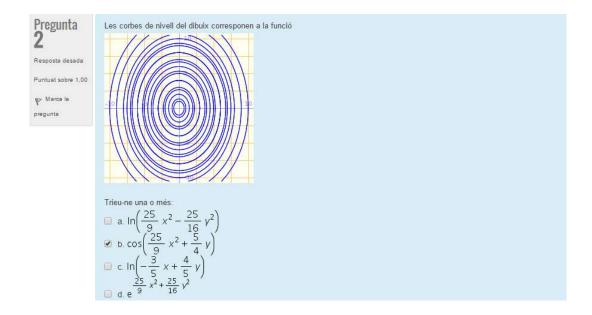


$$plots[inequal] \left( \left\{ x^2 - 8x + y^2 - 8y + 32 < \frac{289}{16}, y - 4 > -4.132x + 16.53, y - 4 > 0.2553x -1.021 \right\}, x = -10..10, y = -10..10 \right)$$



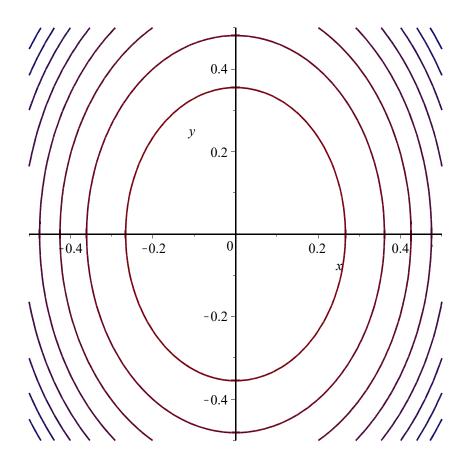
$$plots[inequal] \left( \left\{ x^2 + 4 x + y^2 + 4 < \frac{361}{16}, -y + \frac{3}{2} > -\frac{11}{4} x + \frac{11}{32} \right\}, x = -10..10, y = -10..10 \right)$$

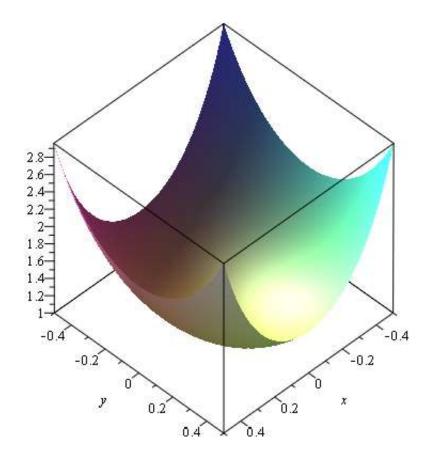


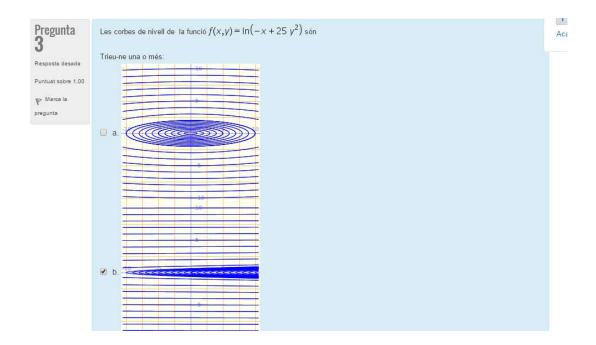


Podemos utilizar contourplot para dibujar las curvas de nivel o el plot3d para visualizar la grafica en 3d.

> plots[contourplot] 
$$\left( \exp\left(\frac{25}{9}x^2 + \frac{25}{16}y^2\right), x = -0.5..0.5, y = -0.5..0.5 \right)$$

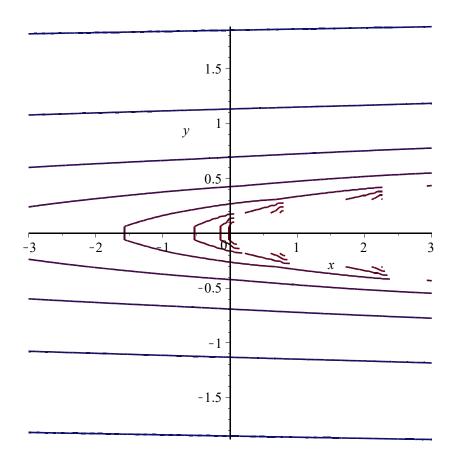


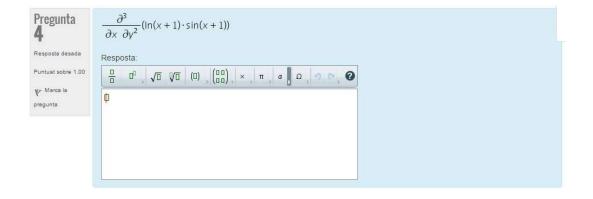




Mismo procedimiento que la anterior, contourplot para dibujar las curvas de nivel de la funcion y ver co cual coincide.

$$plots[contourplot](ln(-x + 25 y^2), x = -3 ...3, y = -3 ...3)$$





$$\begin{bmatrix}
> x := 'x' \\
x := x
\end{bmatrix}$$

$$\begin{bmatrix}
> y := 'y' \\
y := y
\end{bmatrix}$$
(2)

$$y := 'y'$$

$$y := y$$
(2)

> 
$$z := 'z'$$
  
>  $f := \ln(x+1) \cdot \sin(x+1)$   
|  $f := \ln(x+1) \sin(x+1)$ 

