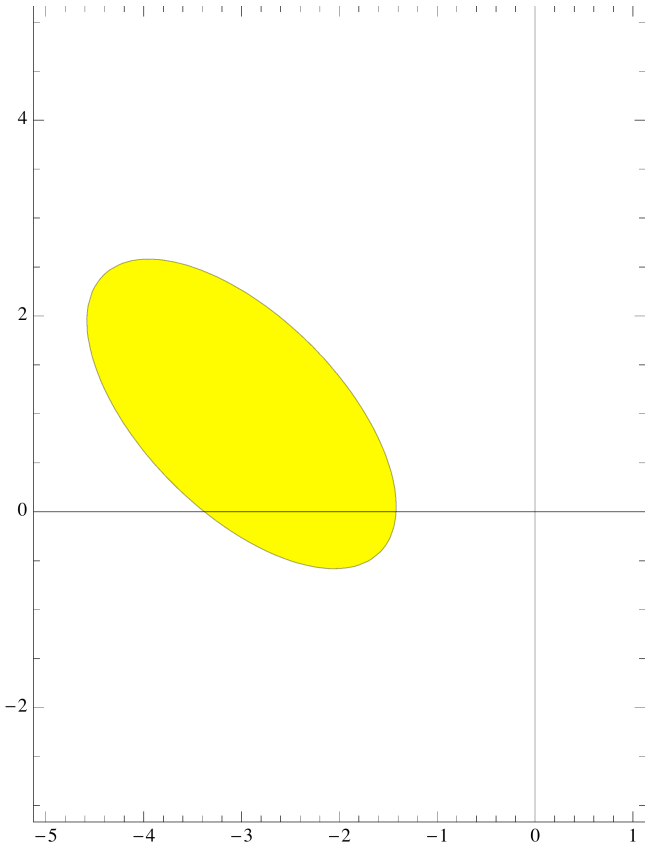
Grafico richiesto dall' esercizio 12 a pag 122 (Volume D)

In[71]:=
```
d = RegionPlot[5 * x^2 + 5 * y^2 + 6 x * y + 24 * x + 8 * y + 24 < 0, {x, -5, 1},
  {y, -3, 5}, AspectRatio → Automatic, PlotStyle → Yellow, Axes → True]
```

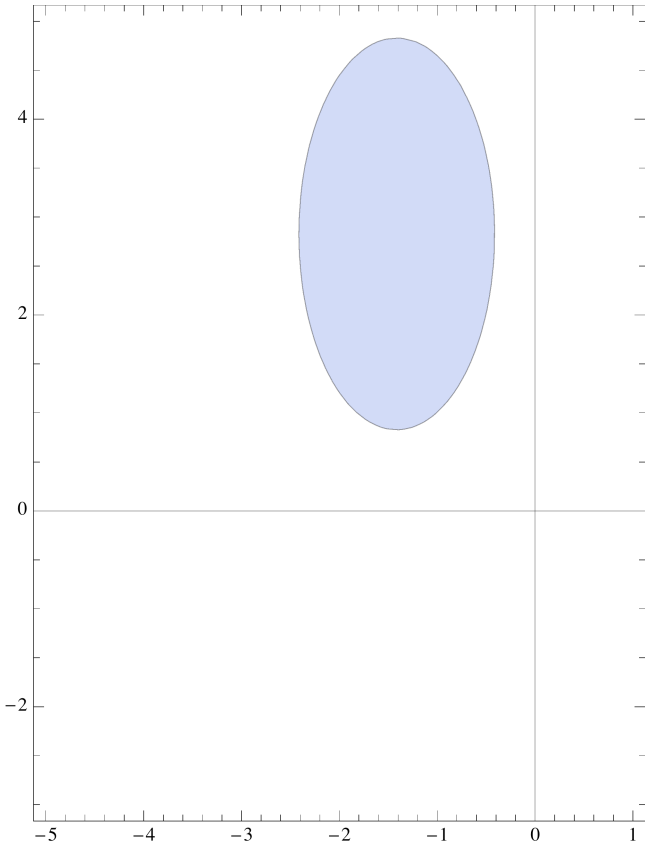
Out[71]=



- **Grafico dell' ellisse ruotata (ma non ancora traslata):**

In[72]:=
```
b = RegionPlot[(x + √2)^2 + 1/4 * (y - 2 √2)^2 < 1,
  {x, -5, 1}, {y, -3, 5}, AspectRatio → Automatic, Axes → True]
```

Out[72]=



■ Grafico dell' ellisse "base"

```
g = RegionPlot[x^2 + 1/4 * y^2 < 1, {x, -5, 1},
  {y, -3, 5}, AspectRatio → Automatic, PlotStyle → Red, Axes → True]
```

Out[68]=

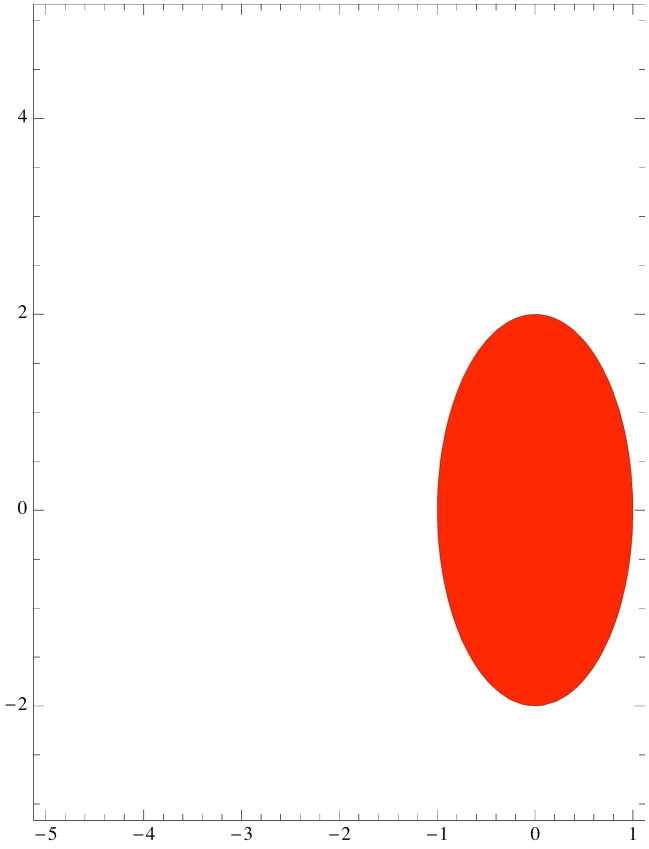
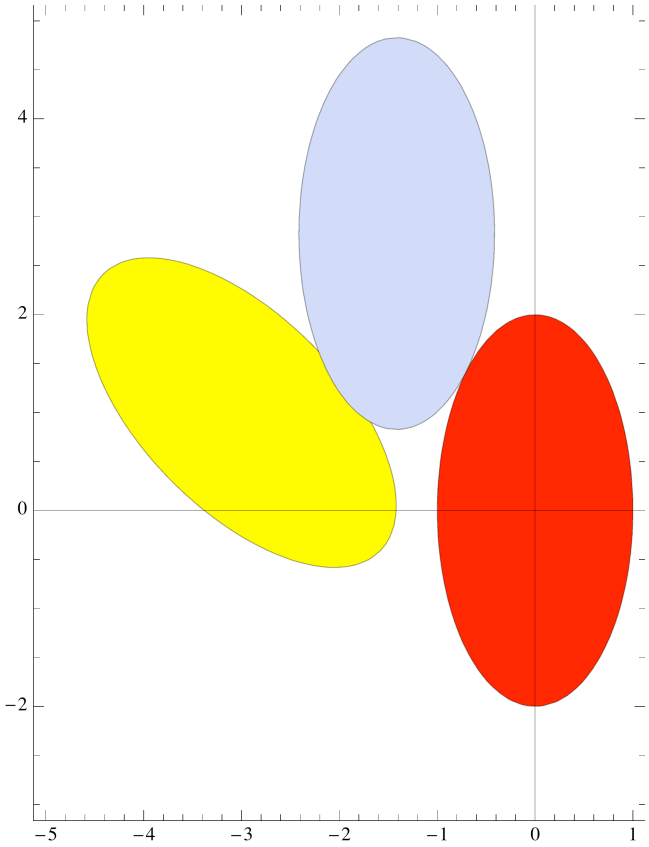


Grafico riassuntivo

In[73]:=
```
Show[d, g, b]
```

Out[73]=



P.S. Non ho avuto tempo di tracciare i centri nelle ellissi blu e gialle!