

In[384]:= **ymin = -7.5; ymax = 7.5;**

In[385]:= **Na = ContourPlot**  $\left[ \left( \left( \frac{x}{7} \right)^2 + \left( \frac{y}{3} \right)^2 - 1 \right) == 0, \{x, -7.5, 7.5\}, \{y, ymin, ymax\}, \right.$

**RegionFunction**  $\rightarrow$  **Function**  $\left[ \{x, y, z\}, \text{Abs}[x] \geq 3 \ \&\& \ y \geq -\frac{3\sqrt{33}}{7} \right];$

In[386]:= **NaNa = ContourPlot**  $\left[ \left( \text{Abs}\left[\frac{x}{2}\right] - \left( \frac{3\sqrt{33}-7}{112} \right) x^2 - 3 + \sqrt{1 - (\text{Abs}[\text{Abs}[x]-2]-1)^2} - y \right) == 0, \right.$

$\{x, -7, 7\}, \{y, -5, 5\}, \text{WorkingPrecision} \rightarrow \text{MachinePrecision},$   
**RegionFunction**  $\rightarrow$  **Function**  $\left[ \{x, y, z\}, (\text{Abs}[\text{Abs}[x]-2]-1)^2 < 1 \right];$

In[387]:= **NaNaN = ContourPlot**  $[(9 - 8\text{Abs}[x] - y) == 0, \{x, -7, 7\}, \{y, -5, 5\},$   
**RegionFunction**  $\rightarrow$  **Function**  $[\{x, y, z\}, \text{Abs}[x] < 1 \ \&\& \ \text{Abs}[x] \geq 0.75];$

In[388]:= **NaNaNNa = ContourPlot**  $[(3\text{Abs}[x] + 0.75 - y) == 0, \{x, -7, 7\}, \{y, -5, 5\},$   
**RegionFunction**  $\rightarrow$  **Function**  $[\{x, y, z\}, \text{Abs}[x] \geq 0.5 \ \&\& \ \text{Abs}[x] \leq 0.75];$

In[389]:= **NaNaNNaNa = ContourPlot**  $[(2.25 - y) == 0, \{x, -7, 7\},$   
 $\{y, -5, 5\}, \text{RegionFunction} \rightarrow \text{Function}[\{x, y, z\}, \text{Abs}[x] < 0.5];$

In[390]:= **NaNaNNaNaNa =**

**ContourPlot**  $\left[ \left( \frac{6\sqrt{10}}{7} + (1.5 - 0.5\text{Abs}[x]) - \frac{6\sqrt{10}}{14} \sqrt{4 - (\text{Abs}[x]-1)^2} - y \right) == 0, \right.$

$\{x, -7, 7\}, \{y, -5, 5\},$   
**RegionFunction**  $\rightarrow$  **Function**  $[\{x, y, z\}, \text{Abs}[x] > 1 \ \&\& \ (\text{Abs}[x]-1)^2 \leq 4];$

In[391]:= **NaNaNNaNaNaNa =**

**ContourPlot**  $\left[ \left( \left( \frac{x}{7} \right)^2 + \left( \frac{y}{3} \right)^2 - 1.1 \right) == 0, \{x, -7.5, 7.5\}, \{y, ymin, ymax\}; \right.$

In[393]:= **Show[Na, NaNa, NaNaNa, NaNaNaNa, NaNaNaNaNa, NaNaNaNaNaNa, NaNaNaNaNaNaNa]**

Out[393]=

