

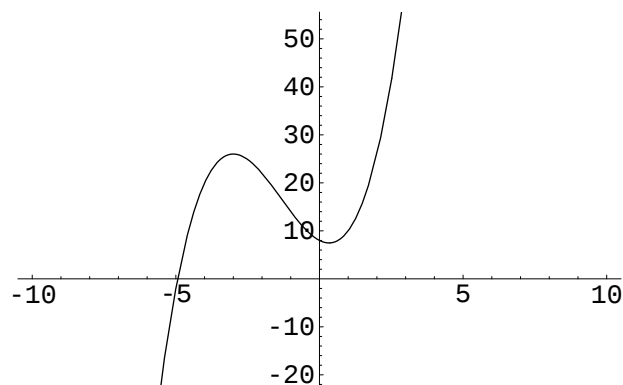
In[2]:= **Solve**[$x^3 + 4x^2 - 3x + 8 == 0$, x]

out[2]= $\left\{ \left\{ x \rightarrow -\frac{4}{3} - \frac{25}{3 \left(226 - 3\sqrt{3939} \right)^{1/3}} - \frac{1}{3} \left(226 - 3\sqrt{3939} \right)^{1/3} \right\}, \right.$
 $\left\{ x \rightarrow -\frac{4}{3} + \frac{25 \left(1 + i\sqrt{3} \right)}{6 \left(226 - 3\sqrt{3939} \right)^{1/3}} + \frac{1}{6} \left(1 - i\sqrt{3} \right) \left(226 - 3\sqrt{3939} \right)^{1/3} \right\},$
 $\left. \left\{ x \rightarrow -\frac{4}{3} + \frac{25 \left(1 - i\sqrt{3} \right)}{6 \left(226 - 3\sqrt{3939} \right)^{1/3}} + \frac{1}{6} \left(1 + i\sqrt{3} \right) \left(226 - 3\sqrt{3939} \right)^{1/3} \right\} \right\}$

In[3]:= **NSolve**[$x^3 + 4x^2 - 3x + 8 == 0$, x]

out[3]= $\{ \{x \rightarrow -4.9361\}, \{x \rightarrow 0.468052 - 1.18391 i\}, \{x \rightarrow 0.468052 + 1.18391 i\} \}$

In[5]:= **Plot**[$x^3 + 4x^2 - 3x + 8$, $\{x, -10, 10\}$]



out[5]= - Graphics -