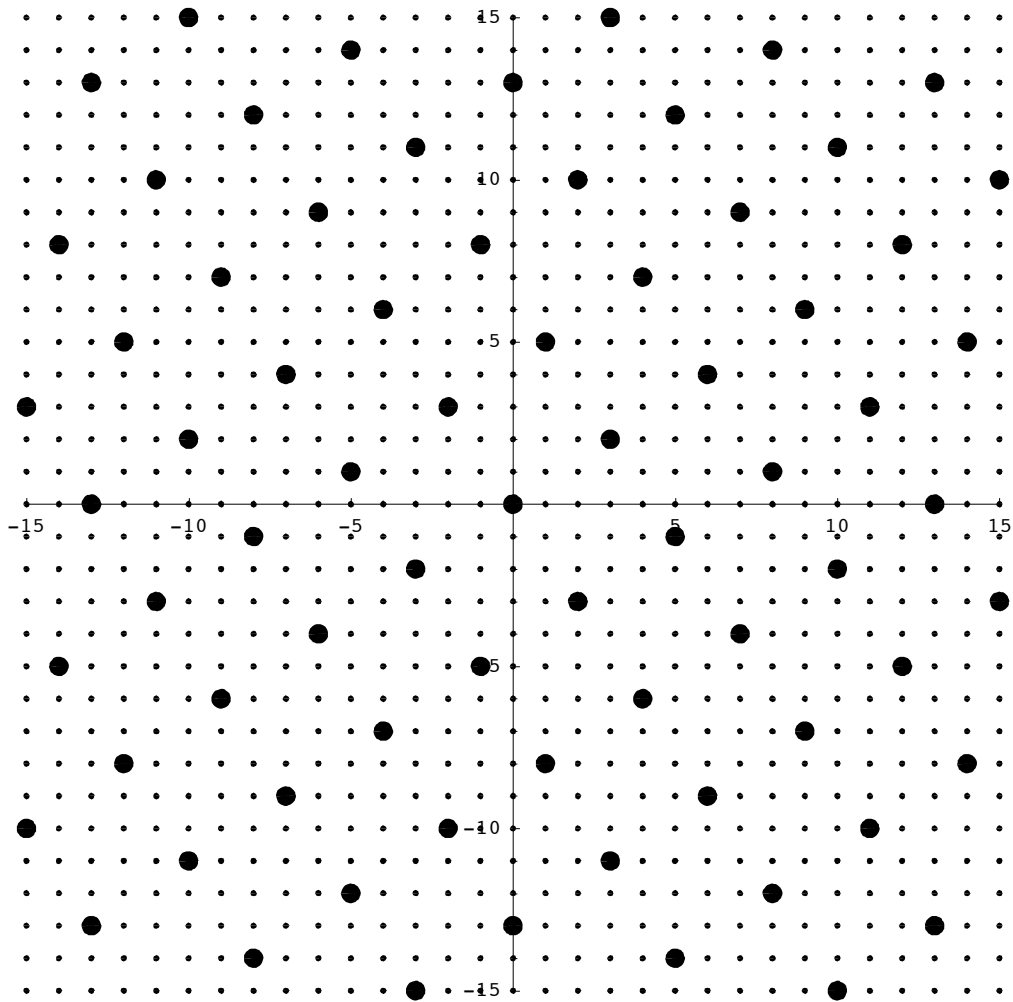
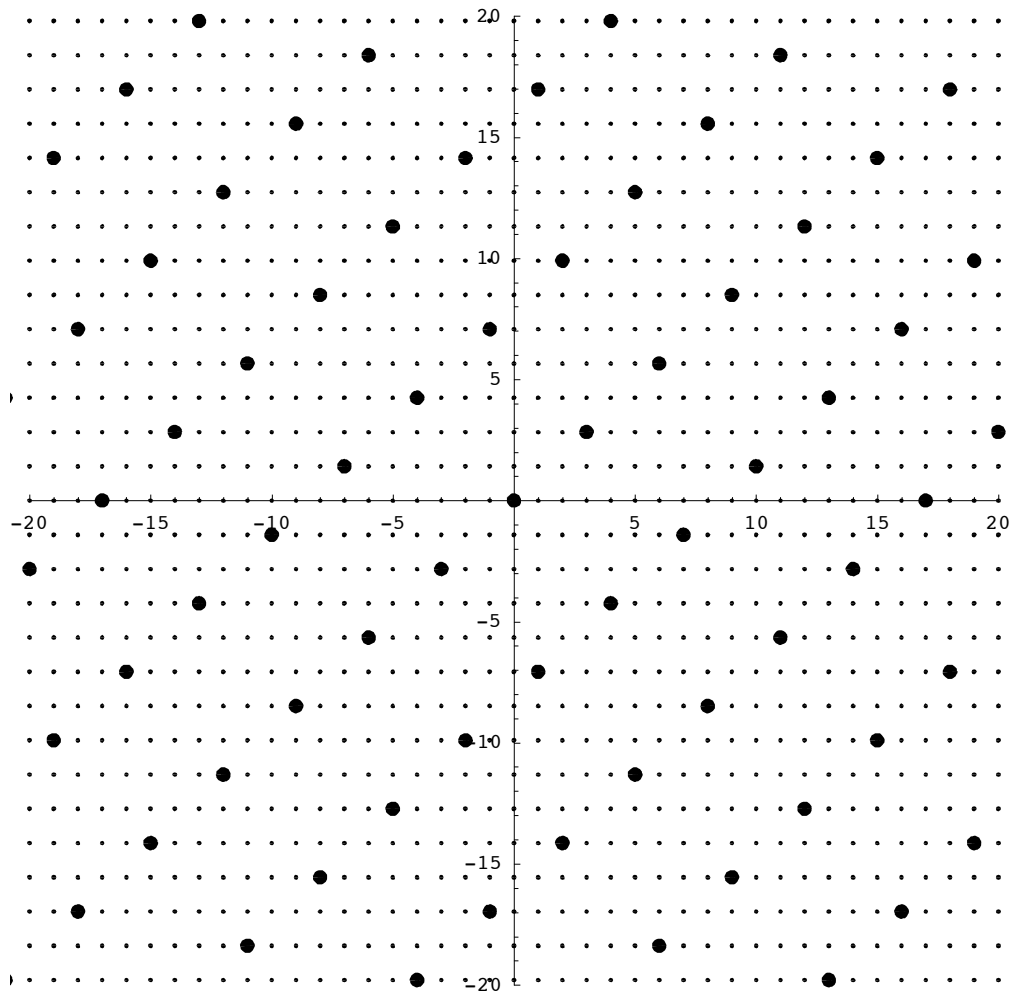


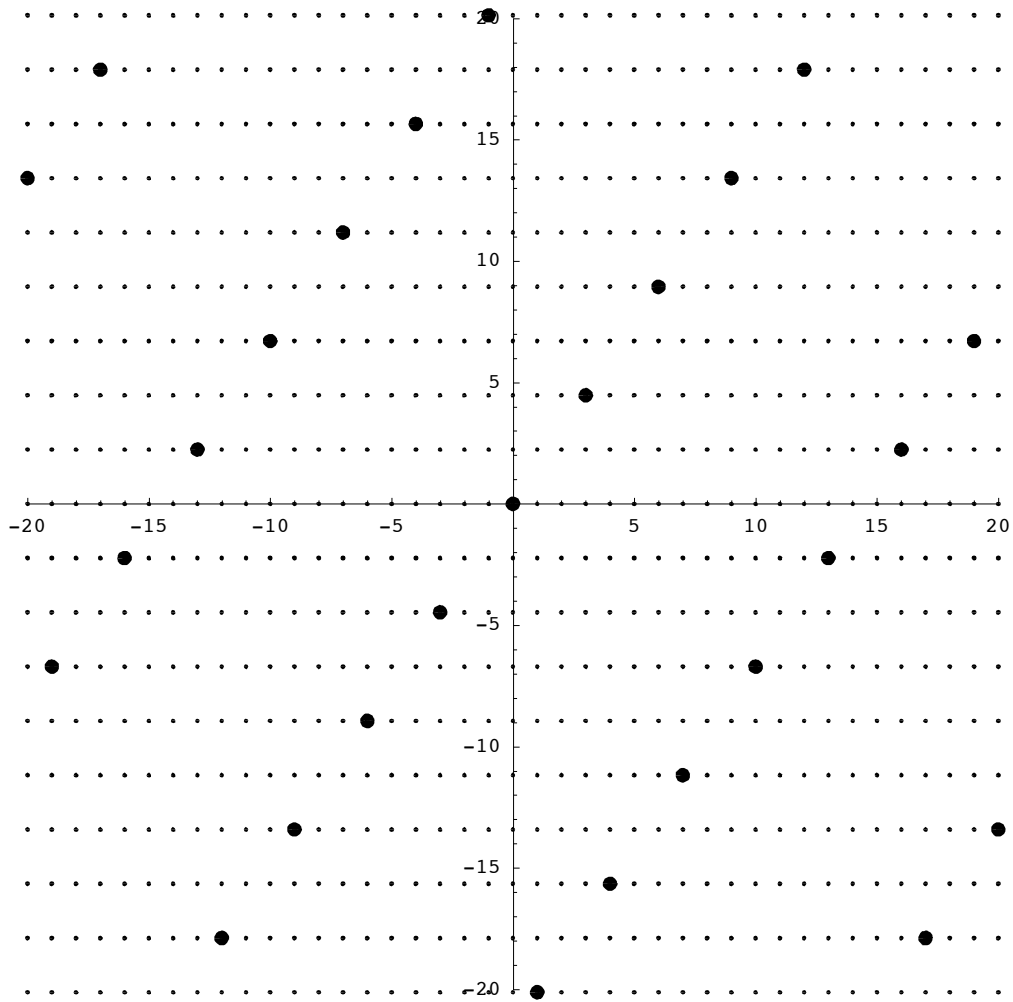
The ideal generated by $3+2i$ in the Gaussian integers:



The ideal generated by $3+2\sqrt{-2}$ in $\mathbf{Z}[\sqrt{-2}]$:



The ideal generated by $3+2\sqrt{-5}$ in $\mathbb{Z}[\sqrt{-5}]$:



The ideal generated by $3+2\omega$ in $\mathbf{Z}[\omega]$, where $\omega = -\frac{1}{2} + \frac{\sqrt{-3}}{2}$:

