\documentclass[10pt]{article}

\usepackage{pgfplots}

\pgfplotsset{compat=1.15}

\usepackage{mathrsfs}

\usetikzlibrary{arrows}

\pagestyle{empty}

\begin{document}

\definecolor{ffqqqq}{rgb}{1,0,0}

\definecolor{qqqqff}{rgb}{0,0,1}

\definecolor{uuuuuu}{rgb}{0.26,0.26,0.26}

\definecolor{ududff}{rgb}{0.30,0.30,1}

\begin{tikzpicture}[line cap=round,line join=round,>=triangle 45,x=1cm,y=1cm]

\begin{axis}[

x=1cm,y=1cm,

axis lines=middle,

ymajorgrids=true,

xmajorgrids=true,

xmin=-3.0422751715987006,

xmax=6.625453770645878,

ymin=-2.239711840324087,

ymax=4.597726234522918,

xtick={-3,-2.5,...,6.5},

ytick={-2,-1.5,...,4.5},]

\clip(-3.04,-2.24) rectangle (6.63,4.6);

\fill[line width=2pt,color=qqqqff] (0,4) -- (0,0) -- (4,0) -- cycle;

\draw [line width=2pt,color=qqqqff] (0,4)-- (0,0);

\draw [line width=2pt,color=qqqqff] (0,0)-- (4,0);

\draw [line width=2pt,color=qqqqff] (4,0)-- (0,4);

\draw [line width=2pt,dash pattern=on 1pt off 1pt] (0,4) circle (4cm);

\draw [line width=3.2pt,color=ffqqqq] (0,4)-- (0,0);

\draw [line width=3.2pt,color=ffqqqq] (0,4)-- (2.83,1.17);

\draw [line width=2pt,domain=-3.04:6.63] plot(\x,{(--6.63-4\*\x)/-4});

\draw [line width=1.2pt,dash pattern=on 1pt off 1pt] (0,4) -- (0,-2.24);

\draw [line width=1.2pt,dash pattern=on 1pt off 1pt on 1pt off 4pt,domain=0:6.63] plot(\x,{(--6.63-4\*\x)/1.66});

\begin{scriptsize}

\draw [fill=ududff] (0,0) circle (2.5pt);

\draw[color=ududff] (0.08,0.21) node {$B$};

\draw [fill=ududff] (0,4) circle (2.5pt);

\draw[color=ududff] (0.08,4.21) node {$A$};

\draw [fill=uuuuuu] (4,0) circle (2.5pt);

\draw[color=uuuuuu] (4.08,0.21) node {$C$};

\draw[color=black] (-1.96,7.32) node {$d$};

\draw [fill=uuuuuu] (2.83,1.17) circle (2pt);

\draw[color=uuuuuu] (3.08,1.29) node {$B'$};

\draw [fill=uuuuuu] (1.66,0) circle (2pt);

\draw[color=uuuuuu] (1.77,0.19) node {$A'$};

\draw [fill=uuuuuu] (0,-1.66) circle (2pt);

\draw[color=uuuuuu] (0.08,-1.47) node {$D$};

\end{scriptsize}

\end{axis}

\end{tikzpicture}

\end{document}