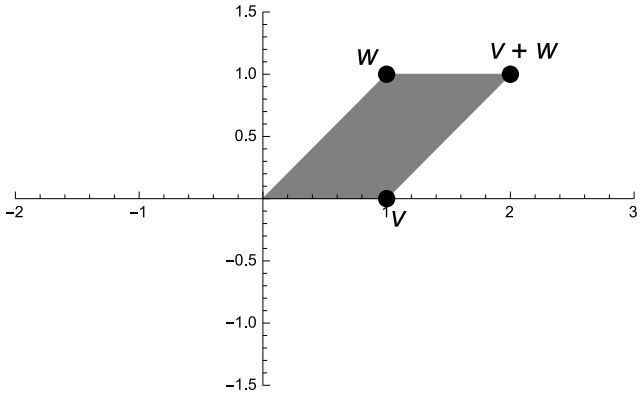
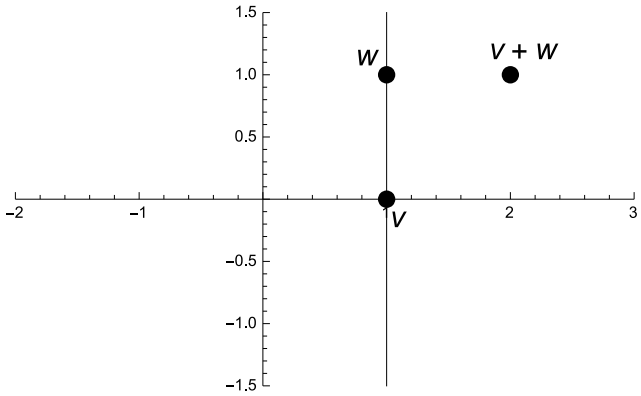
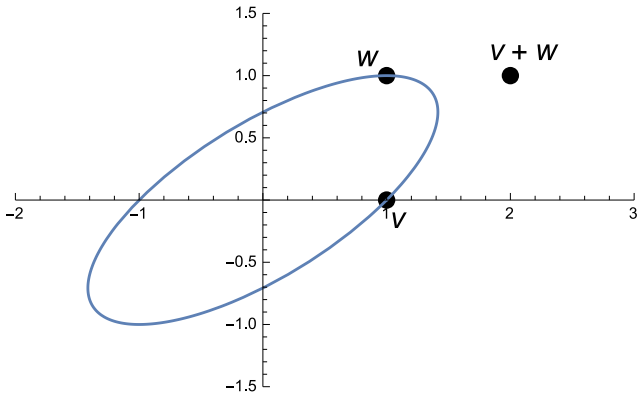
Solution (#489) Let $\mathbf{v} = (1, 0)$ and $\mathbf{w} = (1, 1)$ in $\mathbb{R}^2$..



Points $x\mathbf{v} + y\mathbf{w}$ where $0 \leqslant x, y \leqslant 1$.



Points $x\mathbf{v} + y\mathbf{w}$ where $x + y = 1$.



Points $x\mathbf{v} + y\mathbf{w}$ where $x^2 + y^2 = 1$.