
Show all work. 5 points each.

1. Find the sum of the two vectors $\langle -1, 4 \rangle$, $\langle 6, -2 \rangle$ and illustrate geometrically.

2. Find the $proj_{\mathbf{a}}\mathbf{b}$ where $\mathbf{a} = \langle -5, 12 \rangle$ and $\mathbf{b} = \langle 4, 6 \rangle$