



Vectors · Grade 12

Name _____ Date _____ Score _____ / 4

01 $\vec{a} = \langle 7, -4 \rangle$, $\vec{b} = \langle -7, -2 \rangle$. Find the scalar projection of $\vec{a}$ onto $\vec{b} \approx$ _____

02 $\vec{a} = \langle 7, -5 \rangle$, $\vec{b} = \langle 2, -3 \rangle$. Find the scalar projection of $\vec{a}$ onto $\vec{b} \approx$ _____

03 Find the unit vector in the direction of $\vec{v} = \langle -20, -21 \rangle =$ _____

04 Find the unit vector in the direction of $\vec{v} = \langle -5, -12 \rangle =$ _____