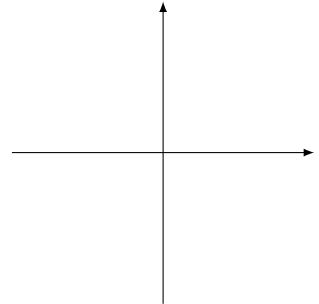


Elementary Linear Algebra - MATH 2250 - Quiz 14

Name:

1. ☐ T ☐ F The projection of $2\mathbf{a}$ onto \mathbf{b} is equal to 2 times the projection of \mathbf{a} onto \mathbf{b} .
2. ☐ T ☐ F The projection of \mathbf{a} onto $2\mathbf{b}$ is equal to 2 times the projection of \mathbf{a} onto \mathbf{b} .
3. Let $\mathbf{a} = (1, 1)$ and $\mathbf{b} = (1, -1)$.
Find \mathbf{p} , the projection of \mathbf{a} onto \mathbf{b} , and draw all **three** vectors.



Find \mathbf{q} , the projection of \mathbf{b} onto \mathbf{a} , and draw all **three** vectors.

