Advanced Math

6-4 (Day 2) Vectors: Components and Work	
Vector Components :	Let u and v be non-zero vectors and $u = w_1 + w_2$, where w_1 and w_2 are orthogonal and w_1 is parallel to v .
	w_1 is called the force parallel or the projection of u onto v .
u	w_2 is called the force normal or the force perpendicular or the force orthogonal.
v	*) Draw the the projection of u onto v and the force perpendicular (w_1 and w_2) in the appropriate position at the right. Label the diagram appropriately.

Find the projection of u onto v and the vector component of u orthogonal to v.





Assignment: pg. 554 35-38 all