Vectors Quiz (Part Two) Review

**Find the dot product of *u* and *v.***

1. 

**Use the vectors** **and** **to find the indicated quantity.**

1. 
2. 

**Find the angle between *u* and *v.***

1. , 
2. 
3. 

**Decide whether the vector is orthogonal, parallel or neither.**

1. 
2. 

 9. 

**Find** **and write *u* as the sum of two vector components.**

10. 

11**. **

**Find the work done for each problem.**

12. Carl is carrying a pack of books from the table to the shelf with a force of 40 pounds at a 70o angle. If the distance from the table to the shelf is 160 feet horizontally. How much work has Carl done when he carries these books?

13. How much work is done by a force **F** = <4,7> in moving an object from (-5, 6) to (2, 9)?