Answer on Question #42414 – Math - Analytic Geometry

Question: Determine whether the vectors u and v are parallel, orthogonal, or neither.

u = <6, -2>, v = <2, 6>

Solution: Compute dot product as the sum of the products of the corresponding entries of the two sequences of numbers **:**

u•v = 6*2 + (−2)*6 = 0, so

Answer: the vectors u and v are orthogonal.