

Answer on Question #53925, Math –Calculus

Find the dot product, $\mathbf{a} \cdot \mathbf{b}$.

$$\mathbf{a} = 6\mathbf{i} + 5\mathbf{j}, \mathbf{b} = -5\mathbf{i} + 4\mathbf{j}$$

Answer

$$\mathbf{a} \cdot \mathbf{b} = 6 * (-5) + 5 * 4 = -30 + 20 = -10.$$