

## Answer on Question#42438 – Math - Analytic Geometry

Find  $a \cdot b$ .

$$a = 4i - 4j, b = 4i + 5j$$

$$a = a_1i + a_2j$$

$$b = b_1i + b_2j$$

Use formula for find scalar product

$$a \cdot b = a_1b_1 + a_2b_2$$

$$a \cdot b = 4 \cdot 4 + (-4 \cdot 5) = -4$$

**Answer: -4.**