

Β ΛΥΚΕΙΟΥ ΘΕΤΙΚΟΣ ΠΡΟΣΑΝΑΤΟΛΙΣΜΟΣ

5.4 1)

$$\vec{\alpha} \cdot \vec{\beta} = x_1 \cdot x_2 + y_1 \cdot y_2 = 2 \cdot 4 + 3 \cdot 1 = 11$$

5.4 2)

$$\vec{\alpha} \cdot \vec{\beta} = 5 \cdot (-2) + (-1) \cdot 6 = -10 - 6 = -16$$

5.4 3)

$$\vec{\alpha} \cdot \vec{\beta} = (-2) \cdot 3 + 6 \cdot 1 = -6 + 6 = 0$$

5.4 4)

$$\vec{\alpha} \cdot \vec{\beta} = (-3) \cdot (-2) + (-5) \cdot (-4) = 6 + 20 = 26$$

5.4 5)

$$\vec{\alpha} \cdot \vec{\beta} = 4(-2) + (-1)(-3) = -8 + 3 = -5$$

5.4 6)

$$\vec{\alpha} \cdot \vec{\beta} = 1 \cdot (-2) + 0 \cdot 5 = -2$$

5.4 7)

$$\vec{\alpha} \cdot \vec{\beta} = 4 \cdot 0 + 7 \cdot 1 = 7$$