

Name: _____

1. Consider the vectors

$$\vec{a} = \langle 2, -1, 3 \rangle$$

$$\vec{b} = \langle 1, 0, 4 \rangle$$

(a) (2 points) Find $(-4)\vec{a}$ (b) (2 points) Find $5\vec{b}$ (c) (2 points) Find $\vec{a} + \vec{b}$ (d) (2 points) Find $\vec{a} - \vec{b}$ (e) (2 points) Find $\vec{a} \cdot \vec{b}$

Name: _____

1. Consider the vectors

$$\vec{a} = \langle 1, 2, -1 \rangle$$

$$\vec{b} = \langle 0, 3, 4 \rangle$$

(a) (2 points) Find $3\vec{a}$ (b) (2 points) Find $(-2)\vec{b}$ (c) (2 points) Find $\vec{a} + \vec{b}$ (d) (2 points) Find $\vec{a} - \vec{b}$ (e) (2 points) Find $\vec{a} \cdot \vec{b}$