

Name: _____

1. (5 points) Consider the vectors

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

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

Find $\vec{a} \times \vec{b}$.

2. (5 points) Find the symmetric equation of the line passing through $(1, 3, -2)$ parallel to the vector $\langle 2, -1, 6 \rangle$.

Name: _____

1. (5 points) Consider the vectors

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

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

Find $\vec{a} \times \vec{b}$.

2. (5 points) Find the symmetric equation of the line passing through $(0, -2, 1)$ parallel to the vector $\langle 3, 1, -5 \rangle$.