

Section 13.4 Worksheet: Cross Products

1. What is the **vector triple product** and what is its interpretation? (By the way, this is sometimes called the **scalar** triple product, because it's a scalar!).
2. How can we use the cross-product to determine if two vectors are parallel?
3. What (if anything) is the cross-product of $\mathbf{a}=\langle 1, 2 \rangle$ and $\mathbf{b}=\langle 3, -1 \rangle$?
4. How do we determine the direction in which the cross product of \mathbf{a} and \mathbf{b} points?