THE MECHANICAL UNIVERSE   **Name:** _____

Video 5 - Vectors   **Class:** _____

1.   List a few examples of systems which describe where something is:

2.   What quantity has both magnitude and direction?

3.   Give several examples of vectors and scalars:

4.   What sort of system is vital to any map?

5.   Who was the first person to introduce the idea of the complex number?

6.   Explain how "triangulation" works:

7.   What effect does multiplying a vector by a negative scalar have on the vector?

8.   What is a vector dot product?

9.   What is the right-hand rule used to find in vector multiplication?

10.   In the Aristotelian world all places only had meaning with respect to what point?

11.   A vector has size and position, but no _____ .