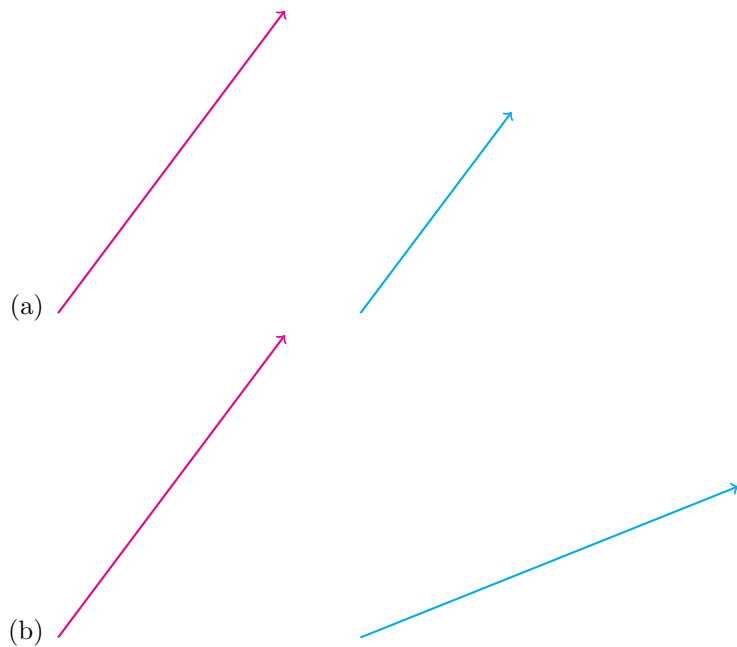
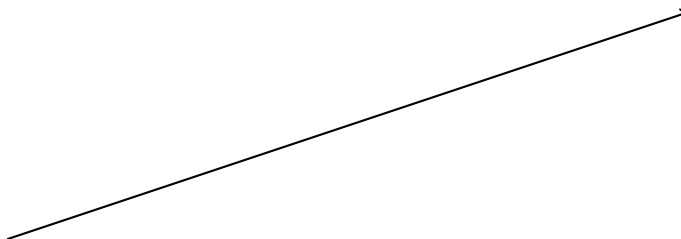


MTH 309 - Activity 11
Vector Geometry

1. What is the difference between the vectors in each pair?



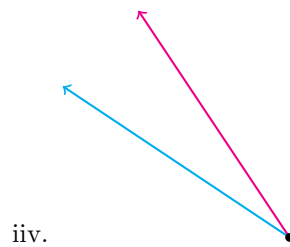
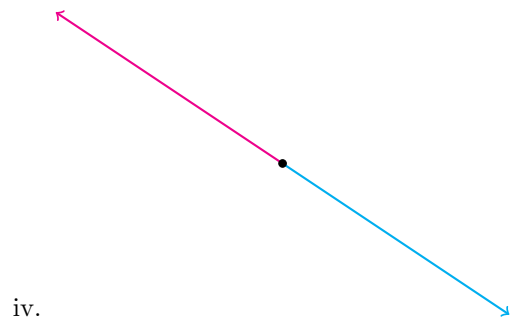
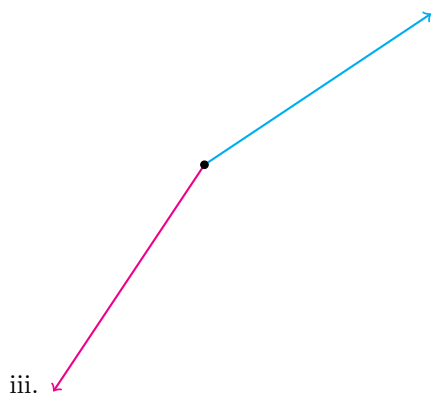
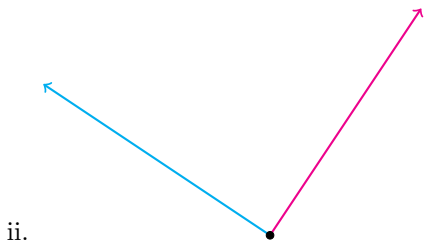
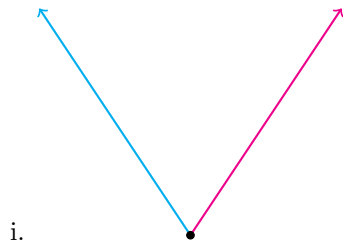
2. How long is the vector below?



Compare your answer to your neighbors. Are they the same? Why is that?

3. What are some properties of the quantity we call length?

4. Rank the following pairs on how similar the two vectors are to each other.



5. How might you quantify your ranking in the previous problem? That is, what quantity could you measure to explain your ranking.