Name _____Solutions_____Quiz 5
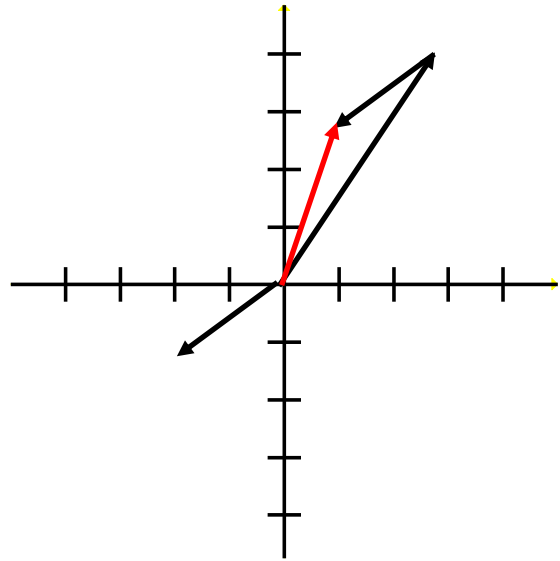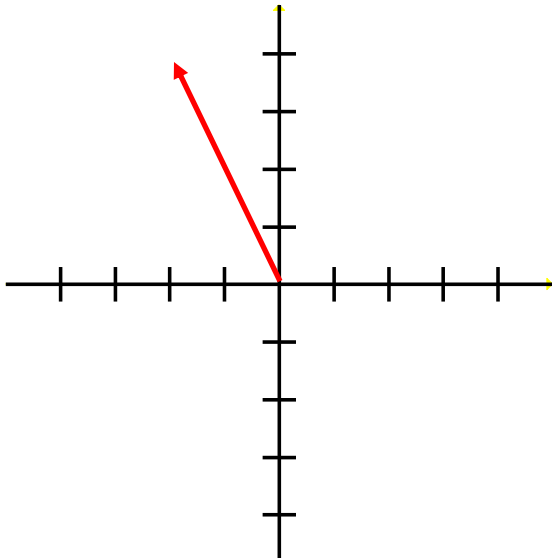
1) On the graph to the left below, plot the vector $\langle -2,4 \rangle$

2) On the graph to the right below, Illustrate the addition of the two vectors given.

3) Find the length of the vector below.

$\langle 3, -4, -1 \rangle$

$|\langle 3, -4, -1 \rangle| = \sqrt{9 + 16 + 1} = \sqrt{26}$

4) Find the dot product below.

$\langle 3, -4, -1 \rangle \bullet \langle 1,2,3 \rangle = 3 - 8 - 3 = -8$