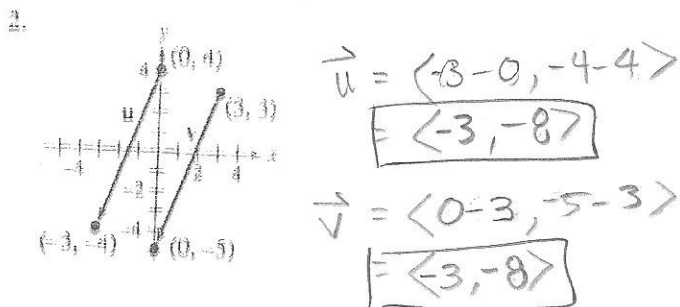
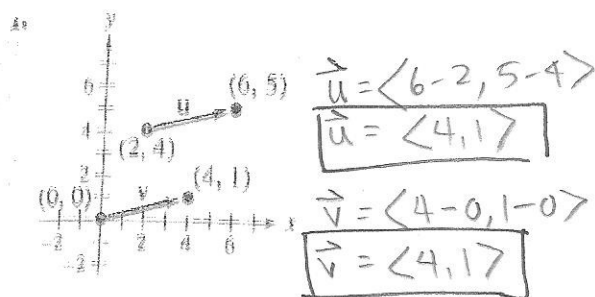
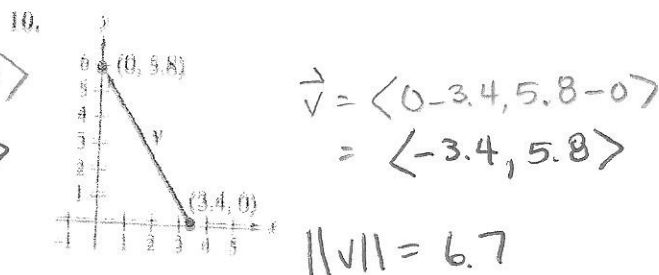
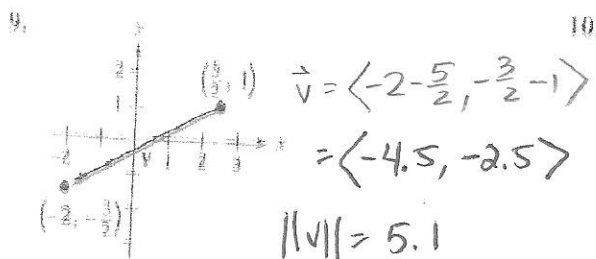
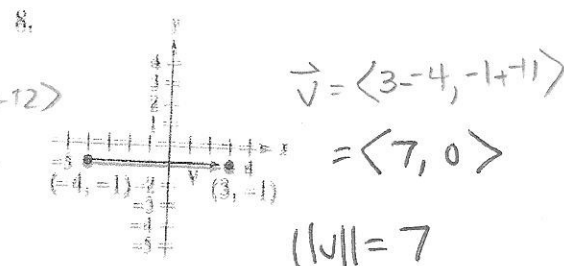
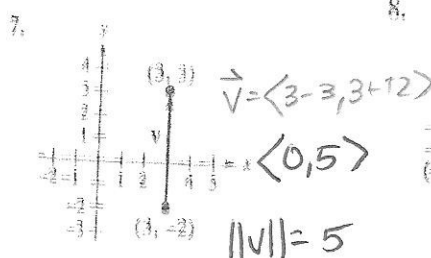
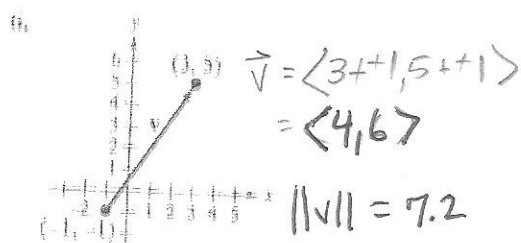
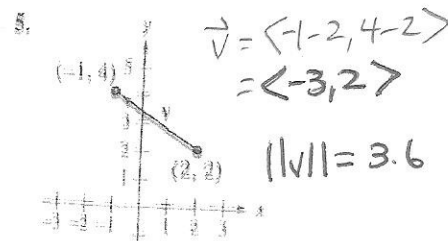
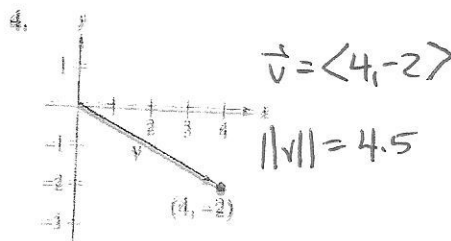
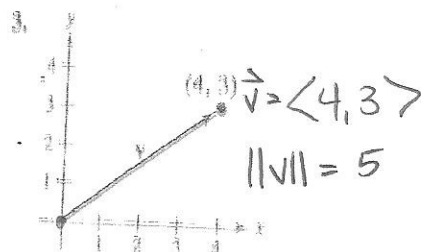


For Questions 1 and 2, show that  $u = v$



For Questions 3-13, find the component form and magnitude of each vector  $v$ .



11. Initial point:  $(-3, -5)$  Terminal point:  $(5, 1)$   
 $\vec{v} = \langle 5-(-3), 1-(-5) \rangle = \langle 8, 6 \rangle$   $\|v\| = 10$

12. Initial point:  $(-3, 11)$  Terminal point:  $(9, 40)$   
 $\vec{v} = \langle 9-(-3), 40-11 \rangle = \langle 12, 29 \rangle$   $\|v\| = 31.4$

13. Initial point:  $(-4.2, 5)$  Terminal point:  $(3.7, -12.9)$   
 $\vec{v} = \langle 3.7-(-4.2), -12.9-5 \rangle = \langle 7.9, -17.9 \rangle$   $\|v\| = 19.6$