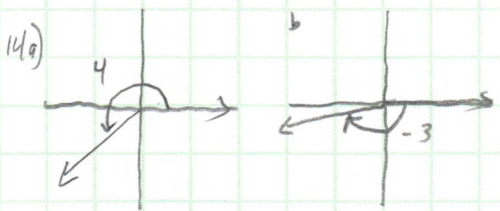
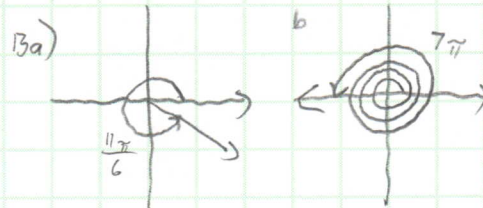
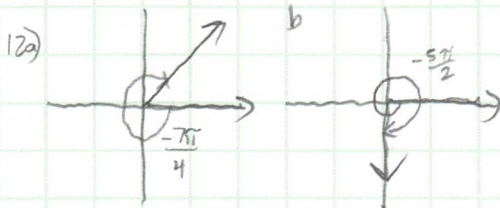
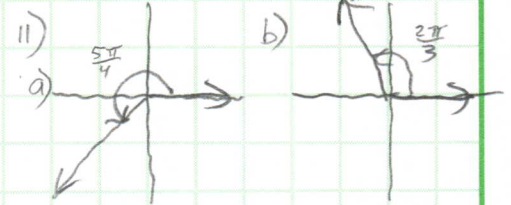




## Advanced Math

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- 6) a) III    7) a) IV    8) a) IV    9) a) III    10) a) IV  
 b) IV        b) II        b) III        b) II        b) III



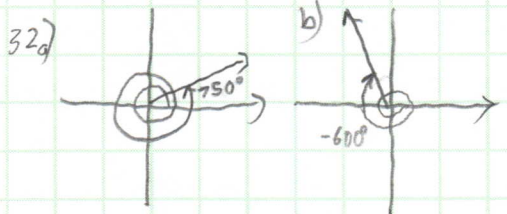
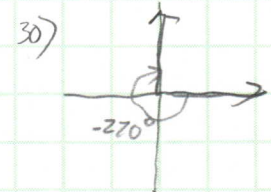
- 15 a)  $\frac{-23\pi}{12}$      $\frac{25\pi}{12}$     16a)  $\frac{-5\pi}{6}$      $\frac{19\pi}{6}$     17a)  $\frac{-\pi}{4}$      $\frac{7\pi}{4}$   
 b)  $\frac{-4\pi}{3}$      $\frac{8\pi}{3}$         b)  $\frac{\pi}{6}$      $-\frac{23\pi}{6}$     b)  $-\frac{32\pi}{15}$      $\frac{32\pi}{15}$

- 18a)  $\frac{-10\pi}{9}$      $\frac{26\pi}{9}$   
 b)  $\frac{-82\pi}{45}$      $\frac{98\pi}{45}$

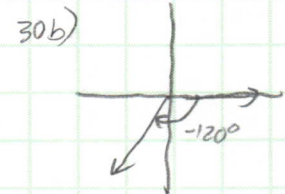
- 19)  $\frac{\pi}{2} - \frac{\pi}{3} = \frac{\pi}{6}$   
 $\pi - \frac{\pi}{3} = \frac{2\pi}{3}$   
 b) none  
 $\pi - \frac{3\pi}{4} = \frac{\pi}{4}$

- 20a)  $\frac{\pi}{2} - 1$   
 $\pi - 1$   
 b) none  
 $\pi - 2$

- 26a) I    28a) II  
 b) III    b) IV



- 34a)  $-240^\circ$      $480^\circ$     36a)  $-60^\circ$      $300^\circ$   
 b)  $-30^\circ$      $330^\circ$         b)  $-130^\circ$      $590^\circ$



- 38a)  $11^\circ$ ,  $101^\circ$     39a)  $\frac{\pi}{6}$     40a)  $\frac{7\pi}{4}$     41a)  $-\frac{\pi}{9}$     42a)  $-\frac{3\pi}{2}$   
 b) None,  $30^\circ$         b)  $\frac{5\pi}{6}$         b)  $\frac{2\pi}{3}$         b)  $-\frac{4\pi}{3}$         b)  $\frac{4\pi}{5}$

- 43a)  $270^\circ$     44a)  $-165^\circ$     45a)  $420^\circ$     46a)  $330^\circ$   
 b)  $210^\circ$     b)  $20^\circ$         b)  $-66^\circ$         b)  $408^\circ$