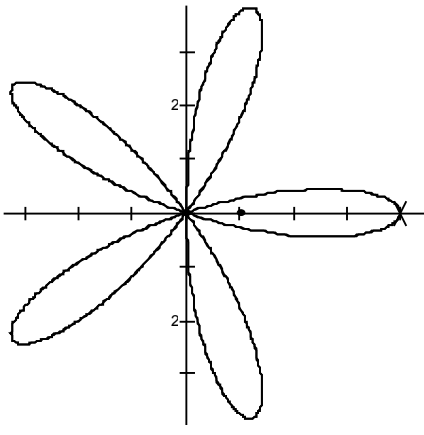
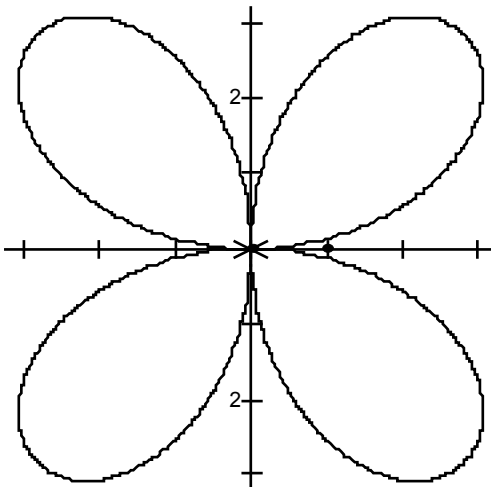
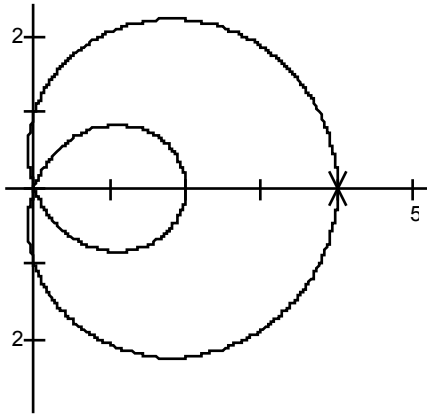


Homework 11 Math 48C Mitchell Schoenbrun

9.4 P. 658 #7, 9, 11, 13, 15, 17, 19, 21, 23, 28, 29, 36, 37

<p>7.  <math>(3, 0) \rightarrow (3, 0)</math>                      or  <math>(3, 0) \rightarrow (3, 0^\circ)</math></p>	<p>9.  <math>(-4, 0) \rightarrow (4, \pi)</math>                      or  <math>(-4, 0) \rightarrow (4, 180^\circ)</math></p>
<p>11.  <math>(1, -\sqrt{3}) \rightarrow \left( \sqrt{1^2 + (-\sqrt{3})^2}, \tan^{-1}\left(\frac{-\sqrt{3}}{1}\right) \right) = \left( 2, -\frac{\pi}{3} \right)</math>                      or  <math>(1, -\sqrt{3}) \rightarrow (2, -60^\circ)</math></p>	<p>13.  <math>(-1, -5) \rightarrow \left( \sqrt{(-1)^2 + (-5)^2}, \tan^{-1}\left(\frac{-5}{-1}\right) \right) \approx</math>  <math>(\sqrt{26}, 4.5)</math>                      or  <math>(-1, -5) \rightarrow \approx (\sqrt{26}, 78.7^\circ)</math></p>
<p>15.  <math>(-6, 5) \rightarrow \left( \sqrt{(-6)^2 + 5^2}, \tan^{-1}\left(\frac{5}{-6}\right) \right) = (\sqrt{61}, -.695)</math>                      or  <math>(-6, 5) \rightarrow (\sqrt{61}, -39.8^\circ)</math></p>	<p>17.  <math>\left( 3, \frac{\pi}{2} \right) \rightarrow \left( 3 \cos\left(\frac{\pi}{2}\right), 3 \sin\left(\frac{\pi}{2}\right) \right) = (3, 0)</math></p>
<p>19.  <math>\left( 3, \frac{\pi}{2} \right) \rightarrow \left( 3 \cos\left(\frac{\pi}{2}\right), 3 \sin\left(\frac{\pi}{2}\right) \right) = (3, 0)</math></p>	<p>21.  <math>\left( 2, -\frac{\pi}{3} \right) \rightarrow \left( 2 \cos\left(-\frac{\pi}{3}\right), 2 \sin\left(-\frac{\pi}{3}\right) \right) = \left( 1, -\frac{\sqrt{3}}{2} \right)</math></p>
<p>23.  <math>(2, 4) \rightarrow (2 \cos(4), 2 \sin(4)) = (-1.3, -1.5)</math></p>	
<p>28.</p> 	<p>29.</p> 

36.



37.

