1. $θ=0°, 180°, 360°, 45°, 225°$
2. $θ=120°, 240°$
3. Go 2 in the direction of the 30° line
4. Go 1 in the other direction of the 210° line
5. 6.69
6. 13
7. (2, 60°), (2, 420° ), (-2,240°), (-2, 600° )
8. (-1, 480° ), (-1, 840° ), (1, 300° ), (1, 660° )
9. Use the calculator under polar and radian mode. Set window to go in π/12 increments (15 degrees) and sketch
10. Same directions as #9 (It makes a circle centered at the origin with radius of 5.
11. (1, 1.73)
12. (.353, .353)
13. (8.544, 69.44°)
14. (2.82, 315°)
15. $x^{2}+y^{2}=3x$
16. $x^{2}+y^{2}=4$
17. $r=2sinθ$
18. $r=\frac{4}{sinθ}$
19. $16.36$