HM3 – GRAPHING SEC, CSC, COT NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Describe the transformation of each graph, then graph each function from* $-2π to 2π$*.*

1. $y=-cotϑ$ 2. $y=csc2ϑ$ 3. $y=sec\frac{ϑ}{4}$

4. $y=-2secϑ$ 5. $y=3cotϑ$ 6. $y=-1+secϑ$

7. $y=cscϑ+2$ 8. $y=csc⁡(ϑ-\frac{π}{2})$ 9. $y=cot⁡(ϑ+\frac{π}{2})$

10. $y=sec4ϑ$ 11. $y=-cot⁡(ϑ-π)$ 12. $y=3csc⁡(ϑ-π)$