5.5 Extension: Finding Inverses Algebra 2 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_

**Directions**: Find the inverse for each equation.

1) $y=log\_{6}\left(3x\right)-1$ 2) $y=log\_{4}(x+10)$

3) $y=log\_{6}(x-7)$ 4) $y=log\_{5}\left(x+5\right)+2$

5) $y=log\_{3}(2x-1)$ 6) $y=4^{x+1}-3$

7) $y=4^{x}+8$ 8) $y=5^{x-2}$

9) $y=6^{x}$ 10) $y=3^{x}+1$