Pre-AP Algebra II **Name: _____**
Assignment #28 (Test #12 Review) **Period: _____**
[+7 points if completed by Thursday 1/16/20]

Directions: Find the inverse of the following functions.
[Notes #84]

1. $f(x)=\frac{x}{4}+3$

2. $f(x)=x^2-5$

3. $f(x)=\frac{3}{2}x^2-\frac{1}{3}$

4. $f(x)=\frac{12}{11}x-\frac{7}{4}$

5. $f(x)=\sqrt{2x-5}+3$

6. $f(x)=-\sqrt{3x-2}+\frac{2}{3}$

7. $f(x)=4\sqrt{3x^2-5}+2$

Directions: Find the composition of the following functions if $f(x)=5x-3$ **and** $g(x)=x^2+2x+1$**.**
[Notes #85]

8. $(f\circ g)(4)$

9. $(f\circ g)(-2)$

10. $(g\circ f)(x)$

11. $(f\circ g)(2x^2)$