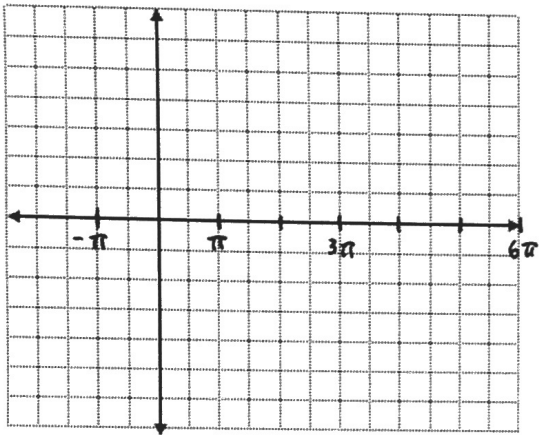
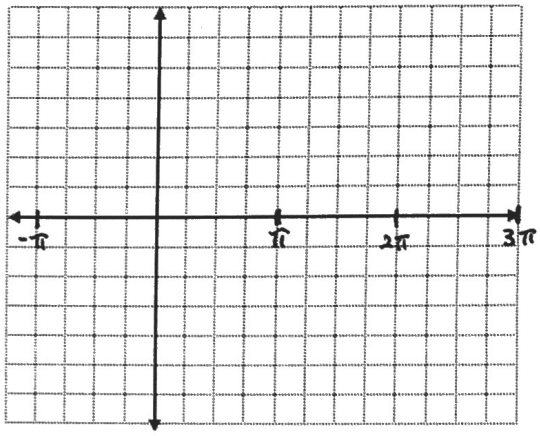
WS: Trig Graphs Analysis Name_____
Date_____

Graph at least one fundamental period. Show **ALL** critical points.
Extend your graph to include at least one critical point left of the y-axis.

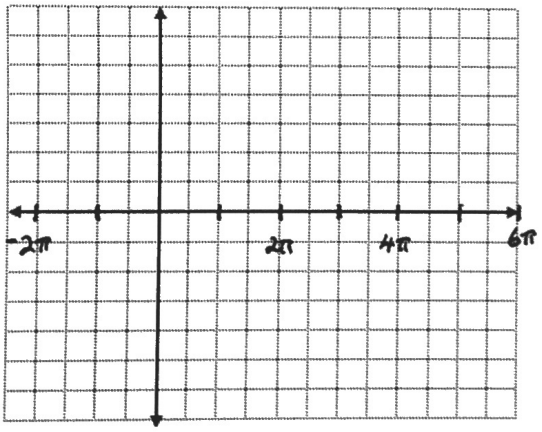
1. $y = 4\tan\frac{1}{3}x + 1$



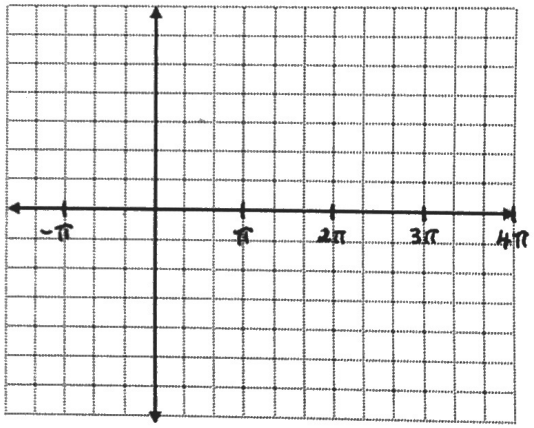
2. $f(x) = -\cot(2x) - 1$



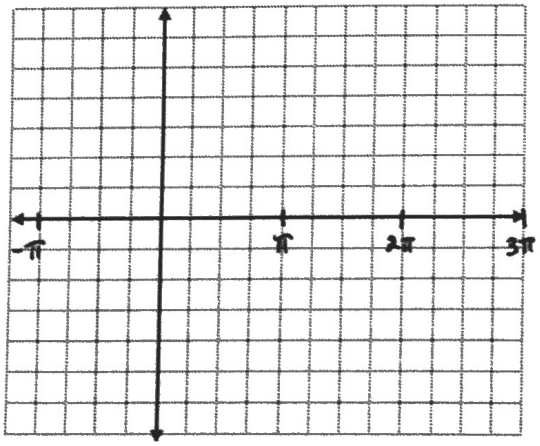
3. $f(x) = 2sin\frac{x}{2} + 1$



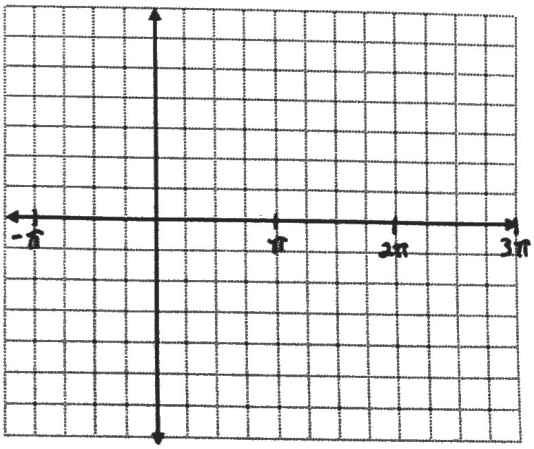
4. $y = -3\sin(3x + \pi)$



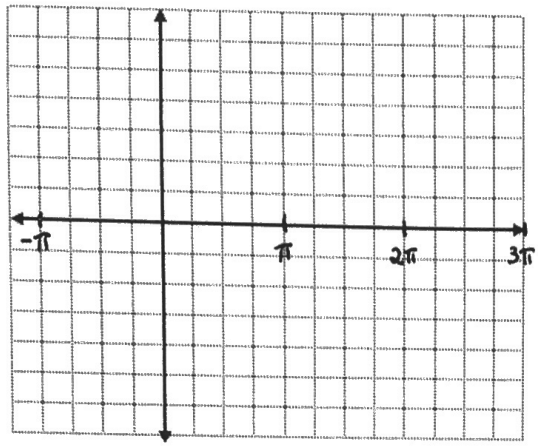
5. $y = -\cos(2x - \pi) + 1$



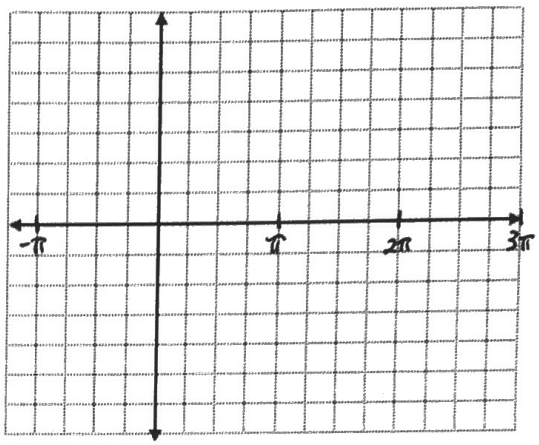
6. $f(x) = 2cos\frac{2}{3}x - 2$



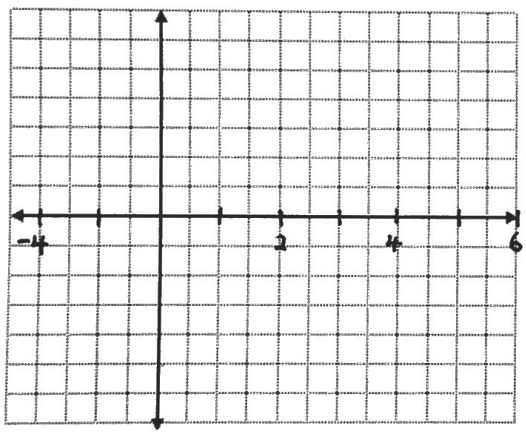
7. $f(x) = -2\sec\left(x - \frac{\pi}{2}\right)$



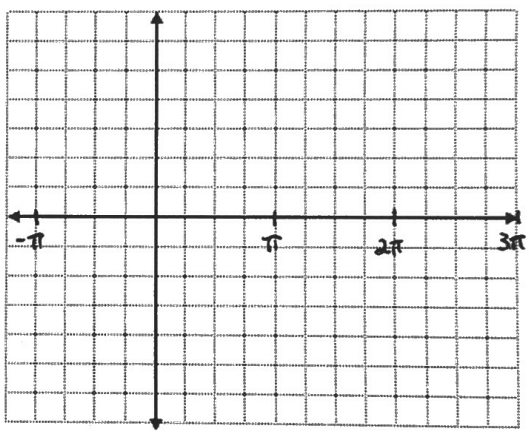
8. $y = 3\sec(2x + \pi) - 2$



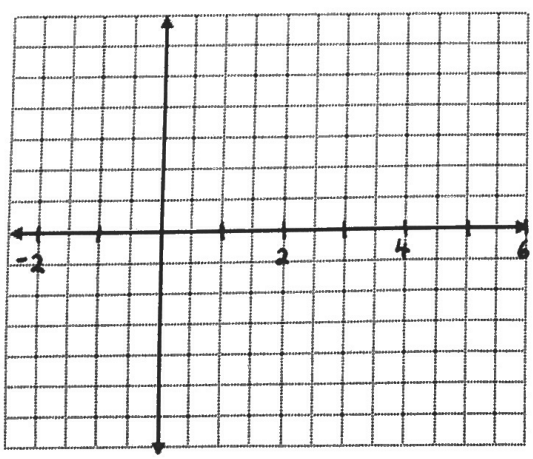
9. $y = 4\csc\left(\frac{2}{3}\pi x\right)$



10. $f(x) = -\csc(x + \pi) + 3$



11. $y = -tan\left(\frac{1}{2}\pi x + \frac{\pi}{4}\right)$



12. $f(x) = 2 + \cot(2x - \pi)$