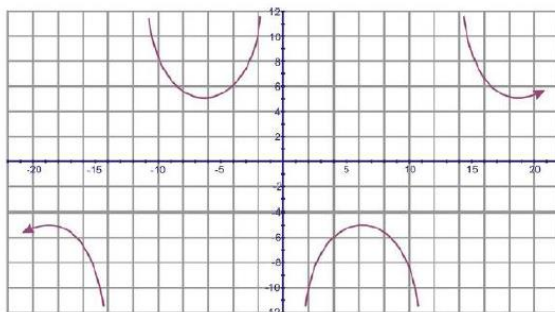
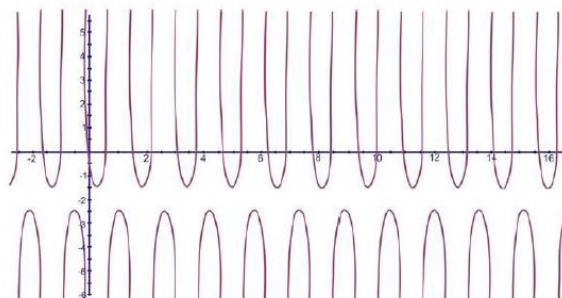


2.7 Graphing Tangent, Cotangent, Secant, and Cosecant

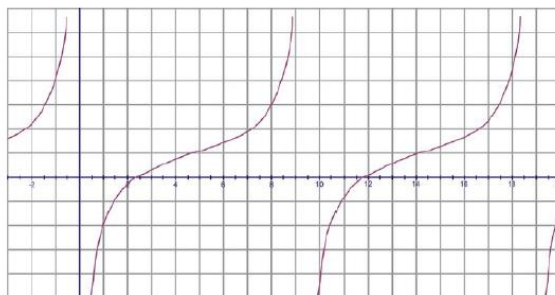
2. $g(x) = 5 \csc\left(\frac{1}{4}(x + \pi)\right)$



4. $y = -2 + \frac{1}{2} \sec(4(x - 1))$



6. $h(x) = -\cot\left(\frac{1}{3}x\right) + 1$



8. This is a tangent graph. From the two points we are given, we can determine the phase shift, vertical shift and frequency. There is no phase shift, the vertical shift is 3 and the frequency is 6. $y = 3 + \tan 6x$