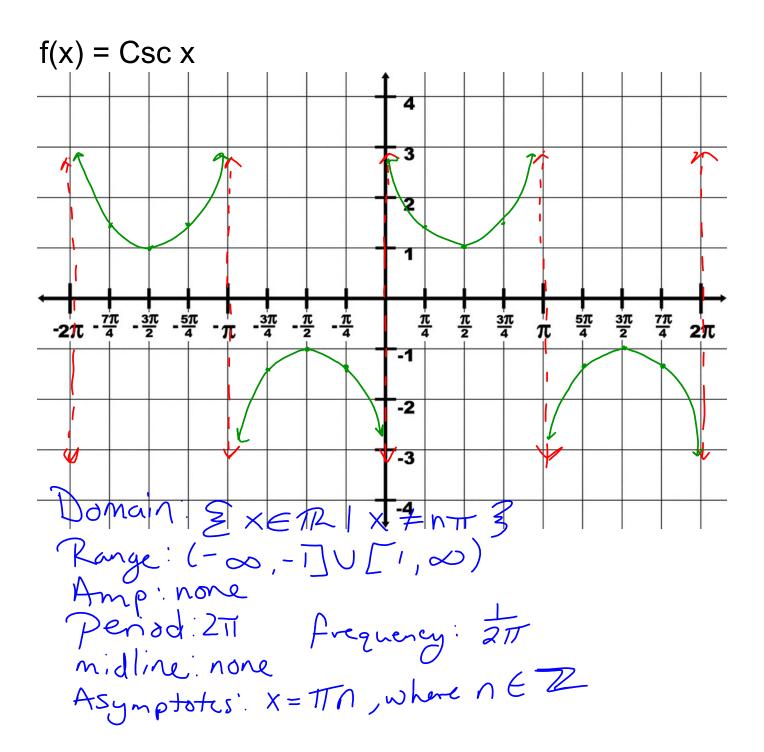
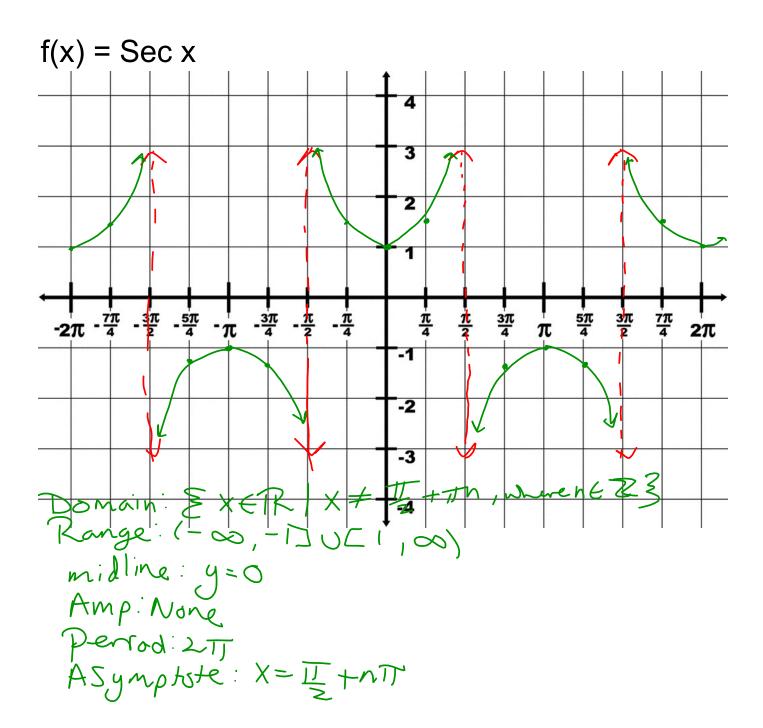
Warm-up

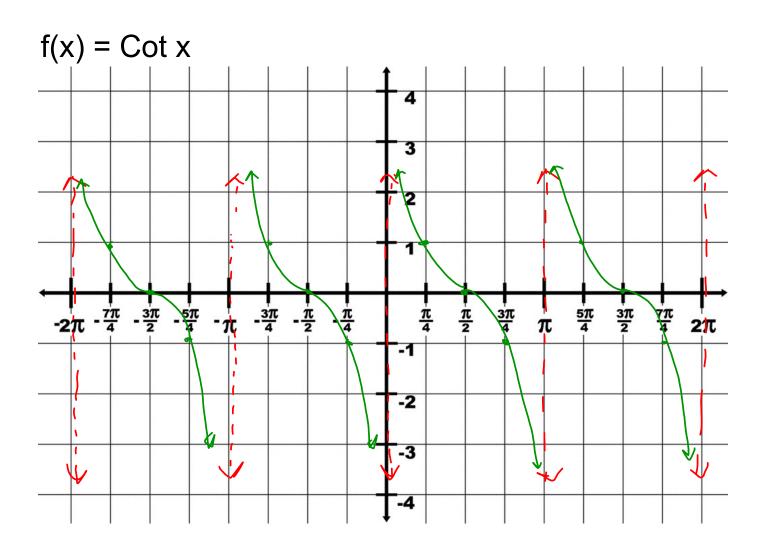
1. Identify amplitude, phase change, midline, period, frequency, domain and range for the following.

1)
$$y = \frac{1}{2} \cdot \cos\left(4\theta + \frac{\pi}{4}\right)$$

2. Graph







$$y=3$$
 CSC $\frac{1}{2}$ Θ

Domain: ≥ x ETR | x ≠ 0 + 2 mn where n ∈ ZZ 3

Range: $(-\infty, -3) \cup [3, \infty)$

Phase shift: Work

midline: y=0 asymptotes: X = 277h

3 specific Asymptotes: -217 0,217

Period: 4T

Vertical Translation +2 Identify the Transformations:
Vertical Compression of
$$\frac{1}{2}$$
, Translation Horanthly +30 Domain:
 $\sum X \in IR \mid X \neq 120 + 180 \text{ n, where not } 23 \text{ Range:}$

$$(-\infty, \infty)$$

$$y = Sec (30 + 6\pi) - \frac{1}{3}$$