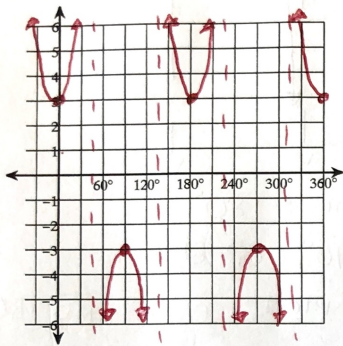


Graphing the Other Trig Functions

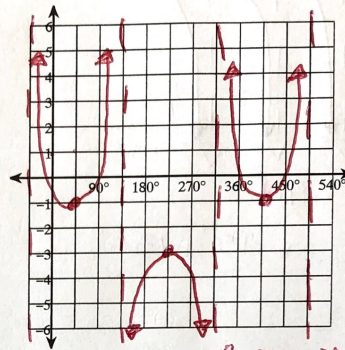
Find the amplitude, the period in degrees, and two vertical asymptotes (if any). Then sketch the graph using degrees.

1) $y = 3\sec 2\theta$ PERIOD = 180°



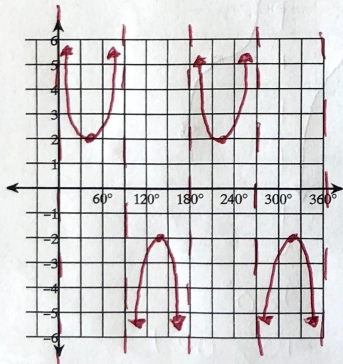
ASYMPTOTES AT 45° & 135°

2) $y = \sec(\theta - 45) - 2$ PERIOD = 360°



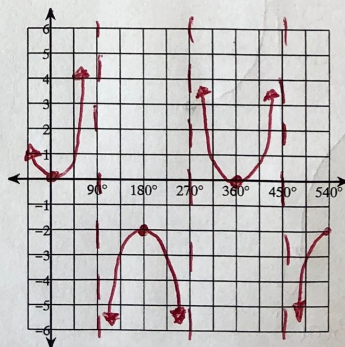
RIGHT 45° , DOWN 2
ASYMPTOTES AT 135° & 315°

3) $y = 2\csc 2\theta$ PERIOD = 180°



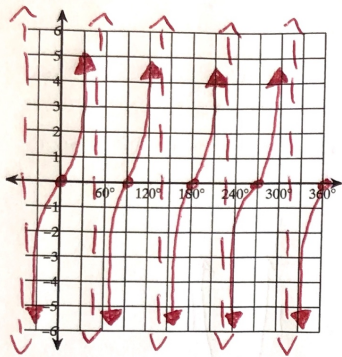
ASYMPTOTES AT $0^\circ, 90^\circ, +180^\circ$

4) $y = -1 + \csc(\theta + 90)$ PERIOD = 360°



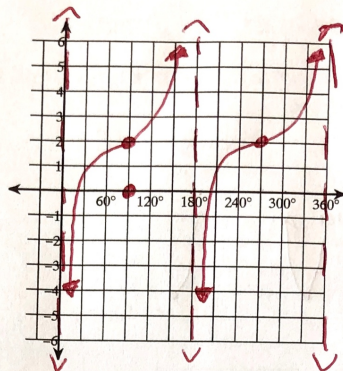
DOWN 1, LEFT 90°
ASYMPTOTES AT 90° AND 270°

5) $y = 4 \tan 2\theta$



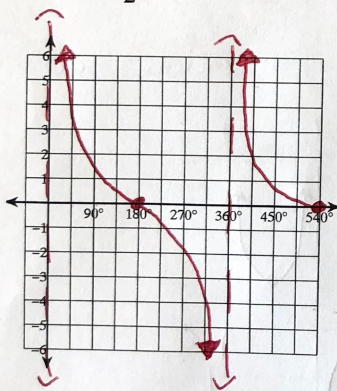
PERIOD = 90°
ASYMPTOTE AT 45° + 135°

6) $y = \tan(\theta + 90) + 2$



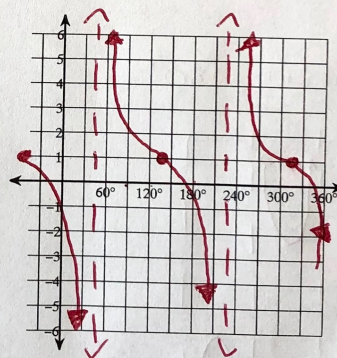
PERIOD = 180°
LEFT 90° , UP 2
ASYMPTOTES AT 0° AND 180°

7) $y = 3 \cot \frac{\theta}{2}$



PERIOD = 360°
ASYMPTOTES AT 0° AND 360°

8) $y = \cot(\theta - 45) + 1$



PERIOD = 180°
RIGHT 45° , UP 1
ASYMPTOTES AT 135° AND 225°