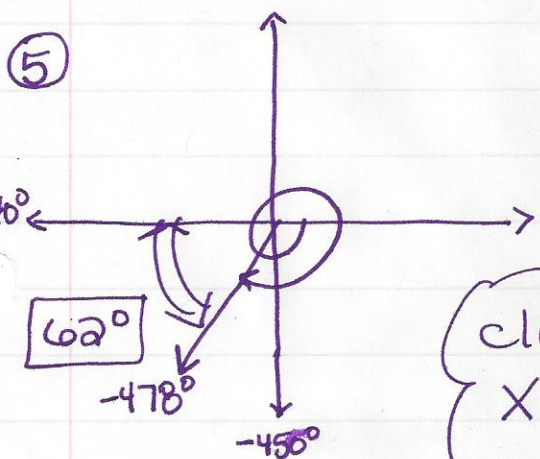


$$\textcircled{1} 80^\circ \cdot \frac{\pi}{180^\circ} = \boxed{\frac{4}{9} \pi}$$

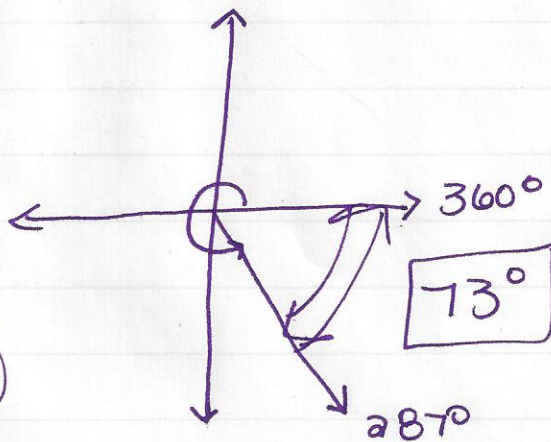
$$\textcircled{2} \frac{3}{5} \pi \cdot \frac{180}{\pi} = \boxed{108^\circ}$$

$$\textcircled{3} -\frac{5}{6} \pi = -150^\circ. \quad -150^\circ + 360^\circ = \boxed{210^\circ}$$

$$\textcircled{4} +150^\circ + 360^\circ = \boxed{510^\circ}$$



⑥



closest
x-axis

⑦ a) $\frac{5}{13}$

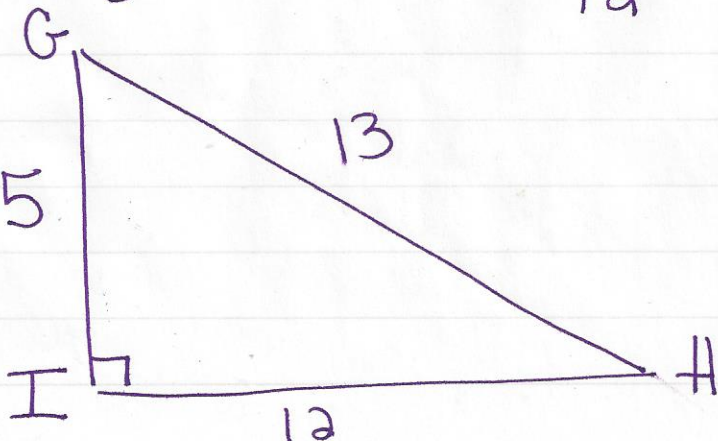
b) $\frac{5}{12}$

c) $\frac{5}{13}$

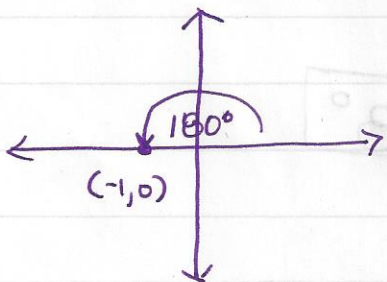
d) $\frac{13}{5}$

e) $\frac{12}{5}$

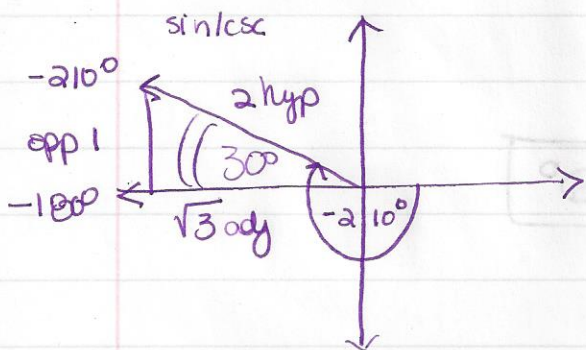
f) $\frac{13}{12}$



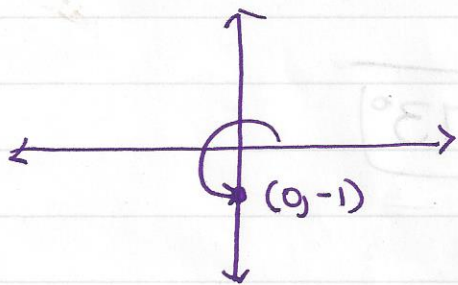
$$\textcircled{8} \cos \pi = \cos 180^\circ = x = \boxed{-1} = \frac{\pi}{180^\circ} \cdot 180^\circ \quad \textcircled{1}$$



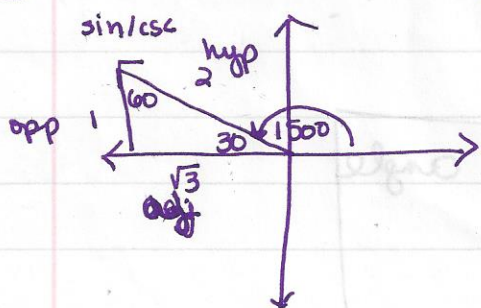
$$\textcircled{9} \sin -\frac{7\pi}{6} = \sin -210^\circ = \frac{o}{h} = \boxed{\frac{1}{2}}$$



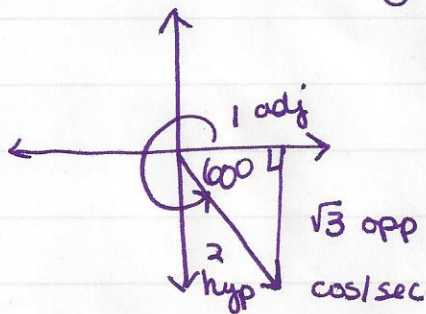
$$\textcircled{10} \cos \frac{3\pi}{2} = \cos 270^\circ = x = \boxed{0}$$



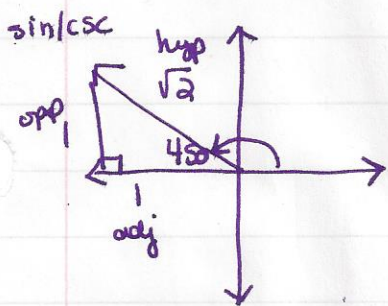
$$\textcircled{11} \cos 150^\circ = \frac{a}{h} = \boxed{-\frac{\sqrt{3}}{2}}$$



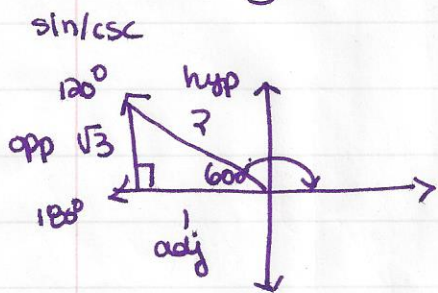
$$\textcircled{12} \cot 300^\circ = \frac{a}{o} = \frac{1}{\sqrt{3}} = \boxed{-\frac{\sqrt{3}}{3}}$$



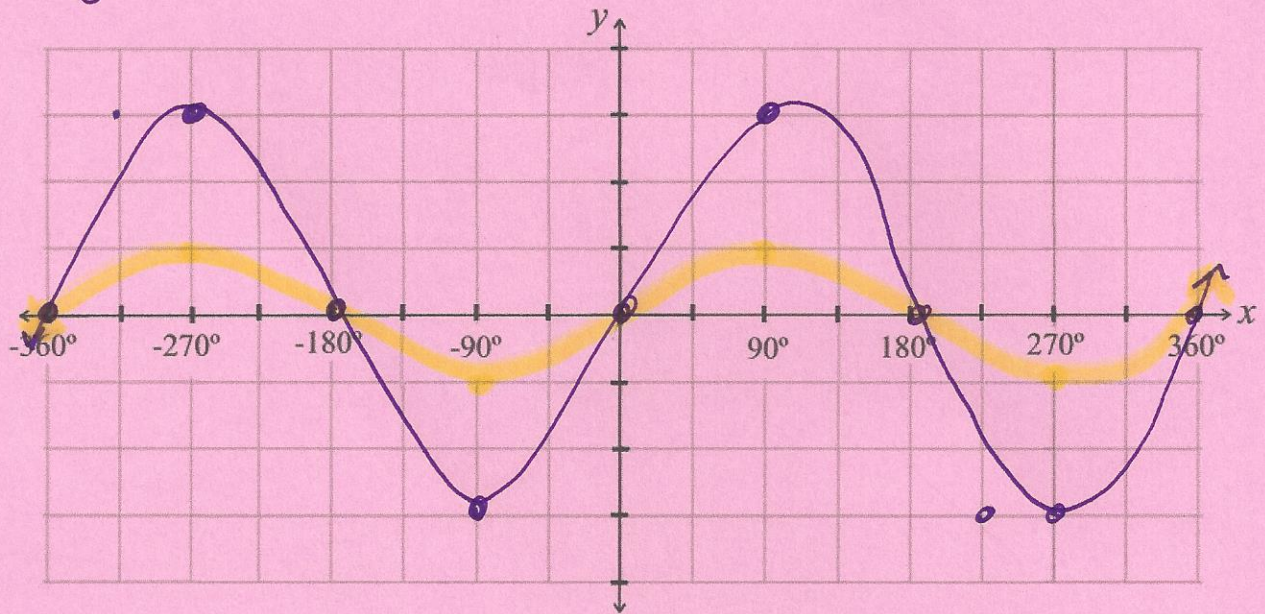
$$\textcircled{13} \tan 135^\circ = \frac{o}{a} = \frac{1}{1} = \boxed{-1}$$



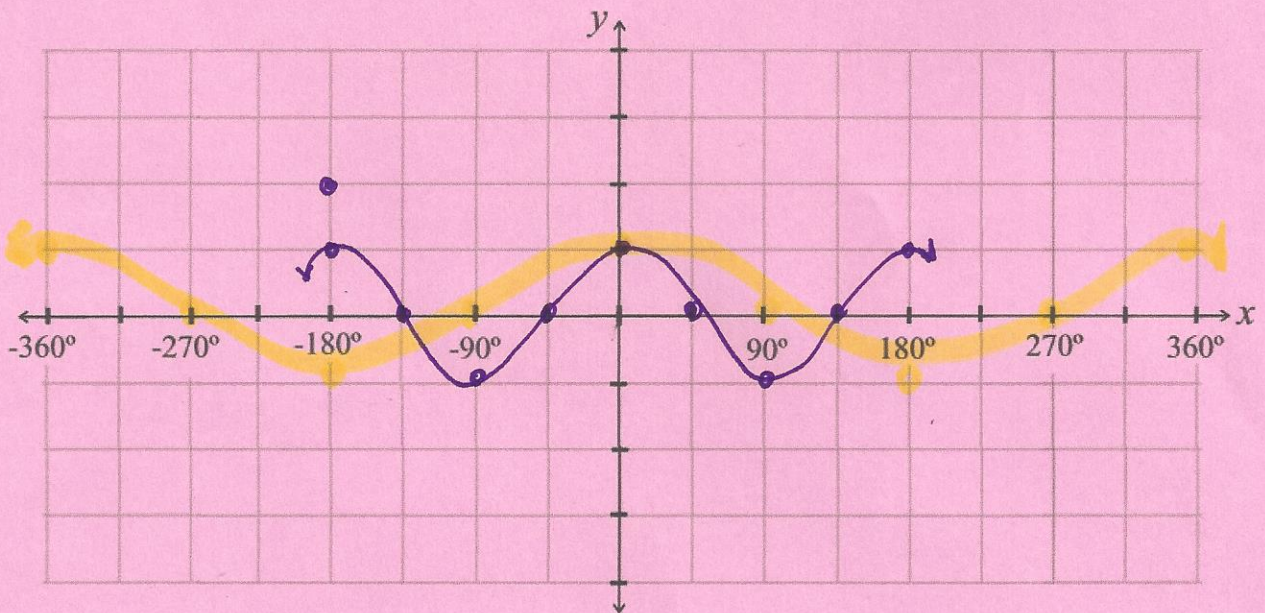
$$\textcircled{14} \sec \frac{2\pi}{3} = \sec 120^\circ = \frac{h}{a} = \frac{2}{1} = \boxed{-2}$$



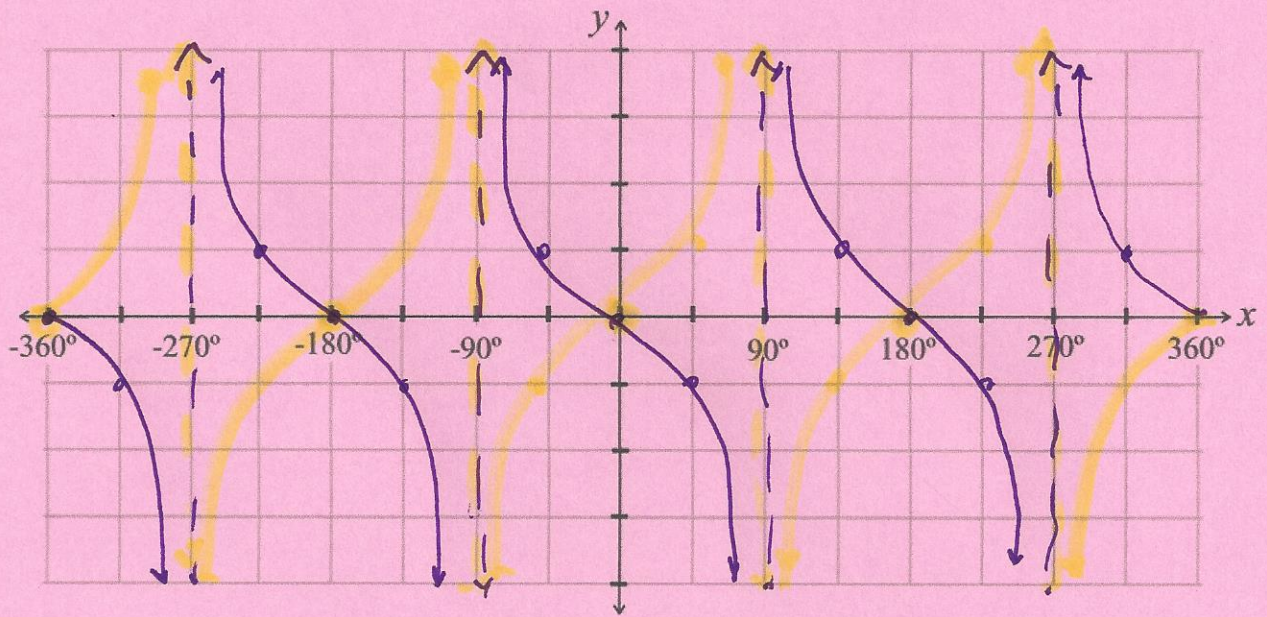
$$y = 3\sin x$$



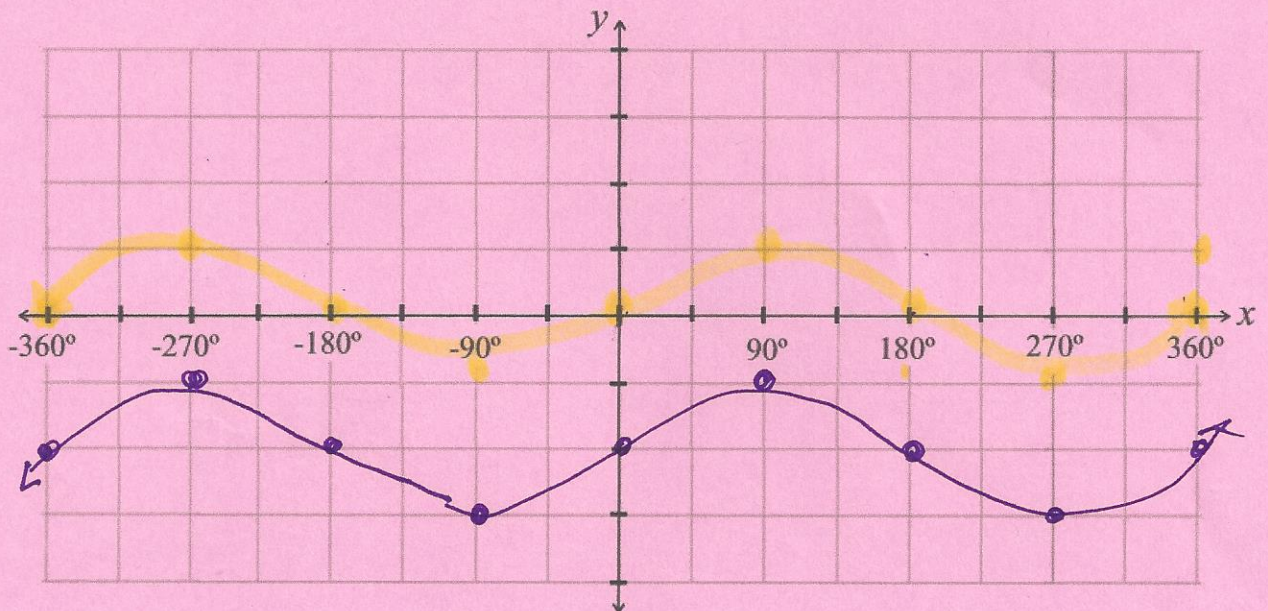
$$y = \cos 2x$$

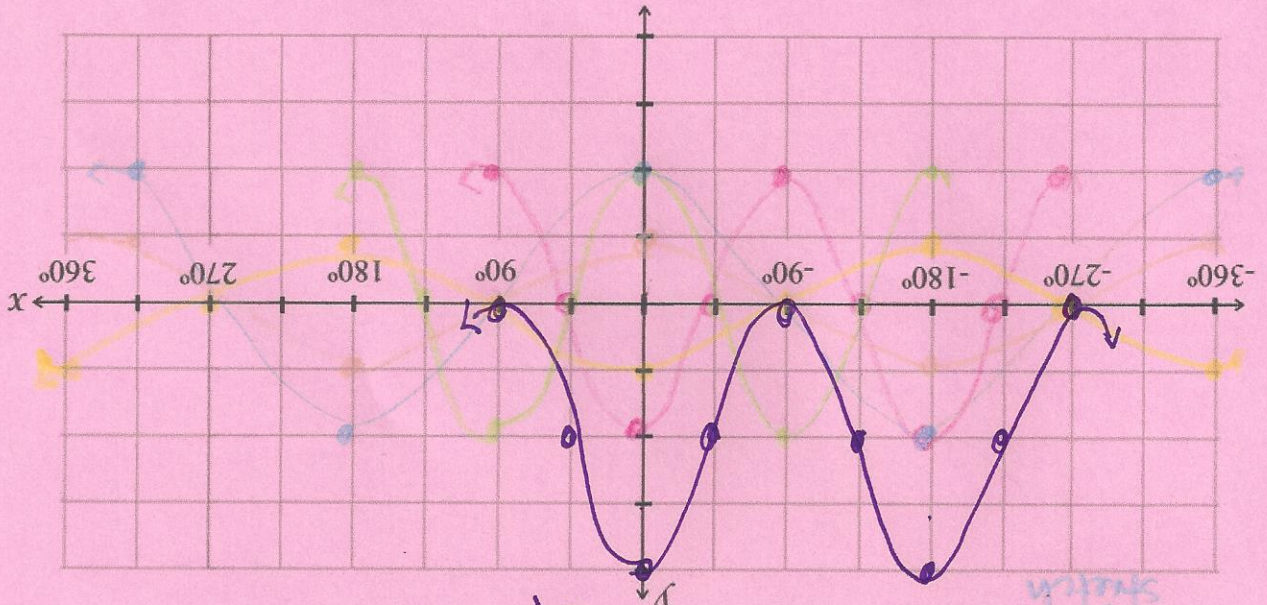


$$y = -\tan x$$

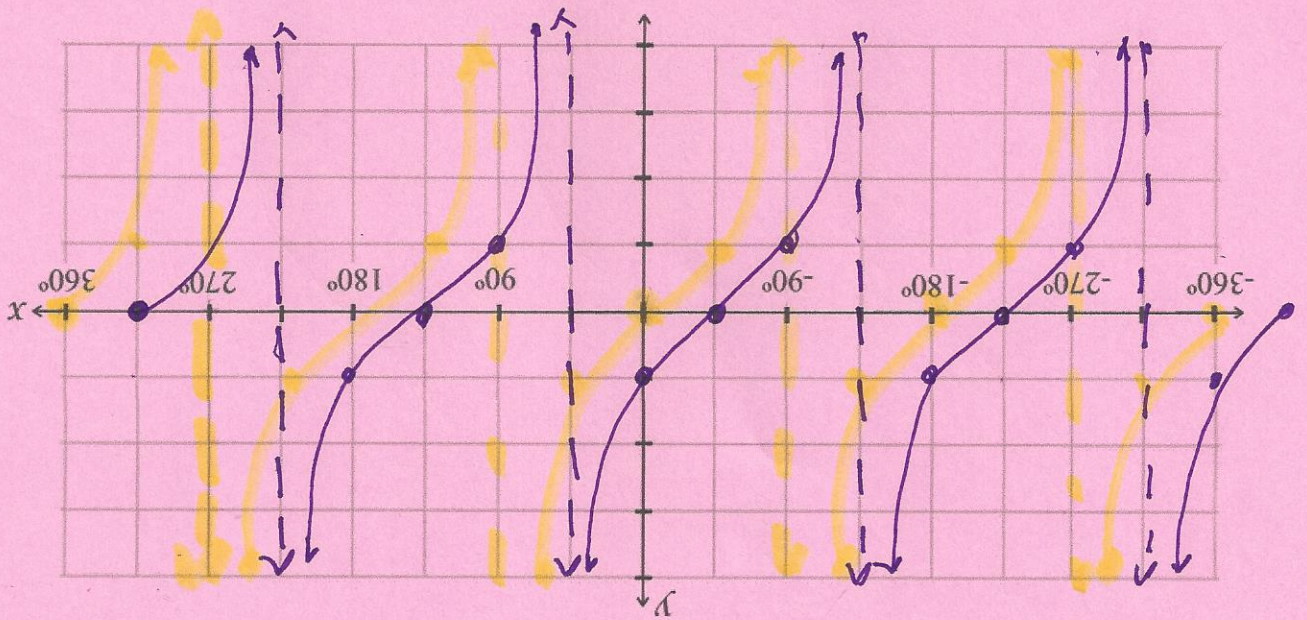


$$y = \sin x - 2$$





$y = -a \cos(\overline{ax - 180^\circ}) + 2$
 (Note: $a = \frac{2}{2} = 1$, $p = \frac{360}{2} = 180$)
 Annotations: "90° right" (pointing to the phase shift), "OVER" (pointing to the negative sign), "stretch" (pointing to the amplitude 'a').



$y = \tan(x + 45^\circ)$ left 45°