

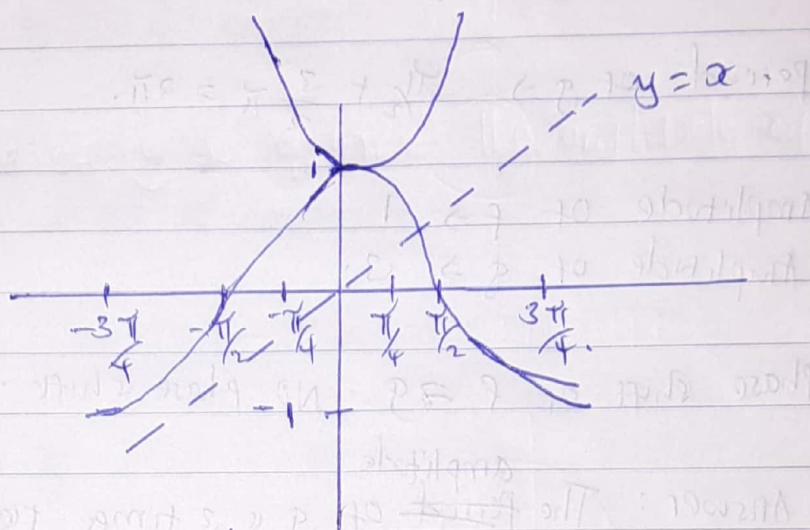
WEEK 6 QUIZ MATH 2550 (QUIZ)

Question 1

Ans: The amplitude of g is 3 times the amplitude of f .

Question 2

Graph:



(2nd graph)

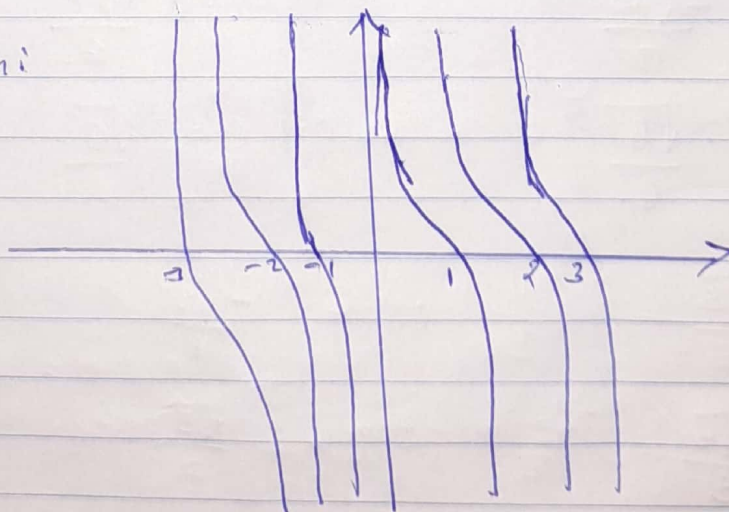
Is g the inverse of f ?

Answer: Yes.

Question 3

$$y = \frac{1}{4} \cot \pi x.$$

Graph:



(1st graph)

State the period of the function: 1 (one)

Question 4

Period $\frac{4\pi}{3}$

Amplitude: $\frac{1}{3}$

Question 5.

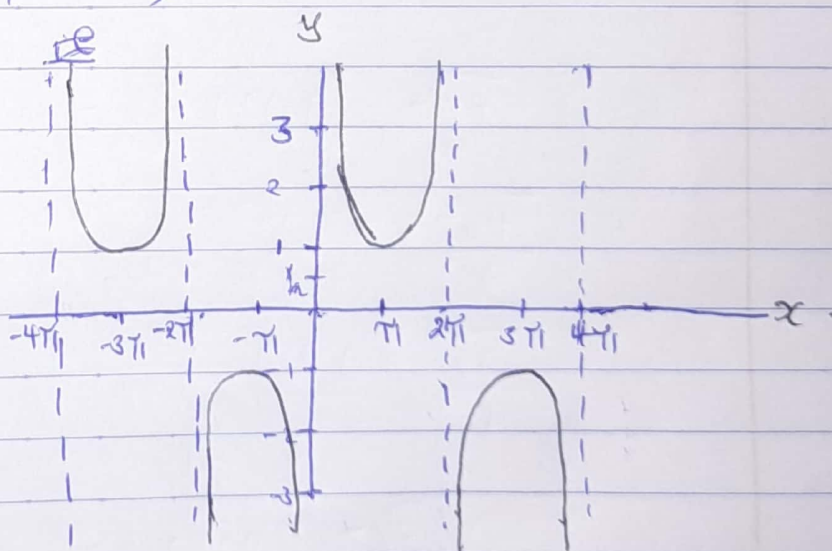
IMPOSSIBLE

Question 6

The graph of g is a reflection of the graph of f in the y -axis.

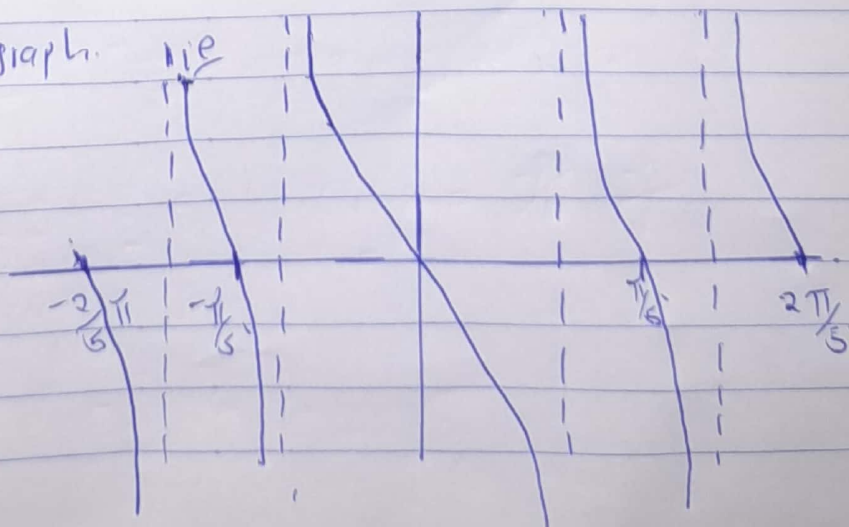
Question 7

Ans: ~~2nd~~ 3rd graph. i.e



Question 8

Ans: 2nd graph. i.e



Question 9

$$= -\frac{\pi}{3} \text{ or } \frac{5\pi}{3}$$

Question 10

The amplitude of g is 9 times the amplitude of f .

The graph of g is a reflection of the graph of f in the y -axis.

