

SOLUTIONS

pg 1re

EXAM I

9:30 CLASS

I

① B

④ C

⑦ C

⑩ B

② E

⑤ A

⑧ D

⑪ E

③ C

⑥ C

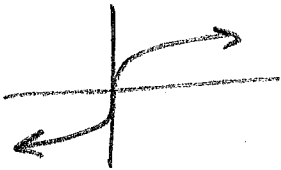
⑨ C

⑫ C

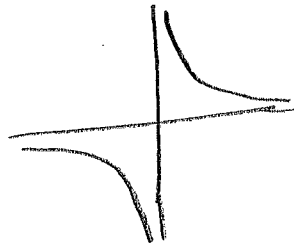
III

⑬ Domain: $\mathbb{R}$

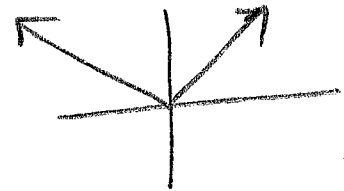
⑭ Range $\mathbb{R}$



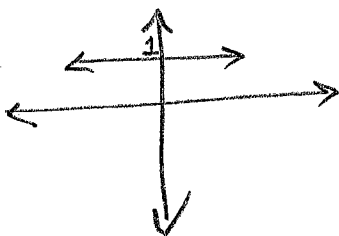
⑮ Domain $\mathbb{R} - \{0\}$
Range $\mathbb{R} - \{0\}$



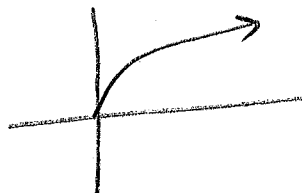
⑯ Domain $\mathbb{R}$
Range $[0, \infty)$



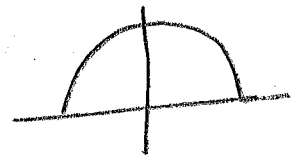
⑰ Domain $\mathbb{R}$
Range $\{1\}$



⑱ Domain $[0, \infty)$
Range $[0, \infty)$



⑲ Domain $[-1, 1]$
Range $[0, 1]$

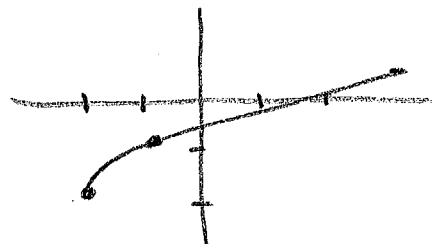


III

⑳ Vertex: $(-2, -2)$

Amplitude points:
Amp = 1 $(-1, -1) \Rightarrow$

SHIFT: $\leftarrow 2 \downarrow 2$

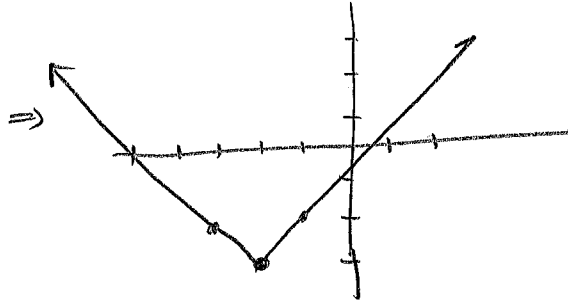


(19) Vertex: $(-2, -3)$

Amplitude Points

Amp = 1 $(-1, -2), (-3, -2) \Rightarrow$

Shift: $\leftarrow 2 \downarrow 3$

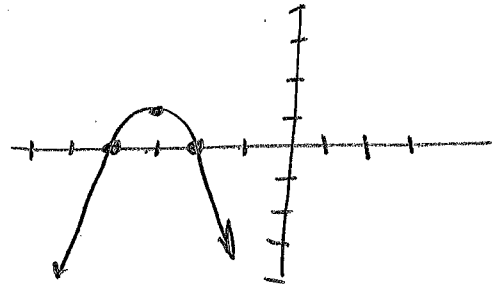


(20) Vertex: $(-3, 1)$

Amplitude Pts:

Amp = -1 $(-4, 0), (-2, 0) \Rightarrow$

Shift: $\leftarrow 3 \uparrow 1$

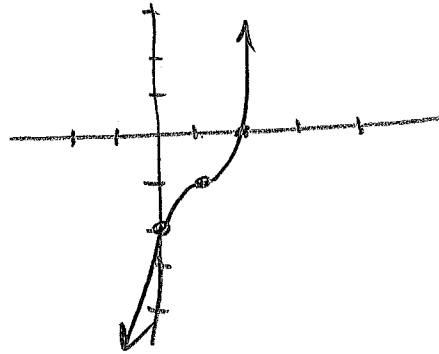


(21) Vertex: $(1, -1)$

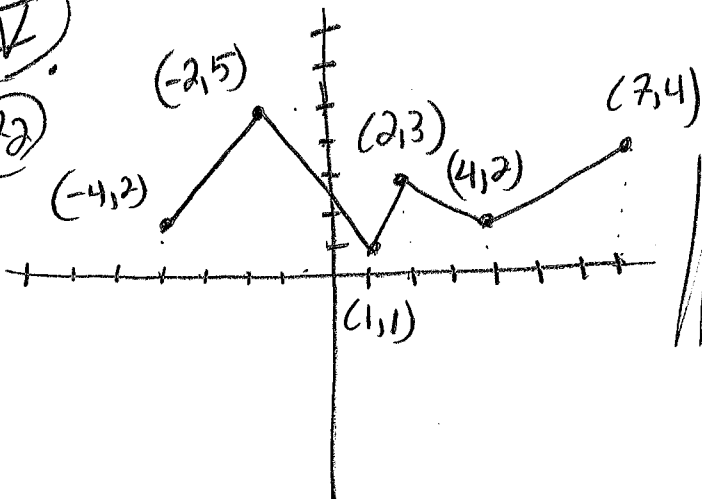
Amplitude Pts:

Amp = 1 $(2, 0), (0, 0) \Rightarrow$

Shift: $\rightarrow 1 \downarrow 1$



(22)



(23)

