

13. B

1. A

2. B

14. C

6. A

15. B

7. B

16. D

8. D

17. C

9. B

18. A

10. B

11. A

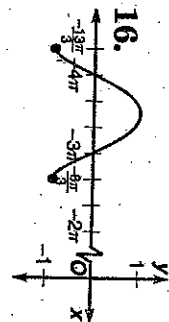
19. D

12. D

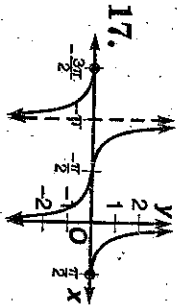
20. A

14. Sample answer:  $y = 24.25 \sin\left(\frac{\pi}{6t} - \frac{2\pi}{3}\right) + 49.55$

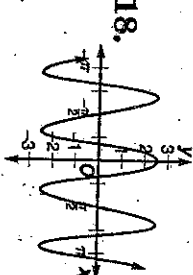
15. Sample answer:  $49.55^\circ$



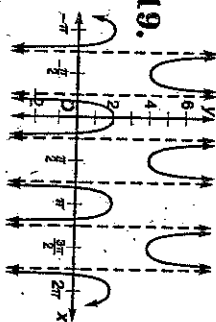
16.



17.



18.

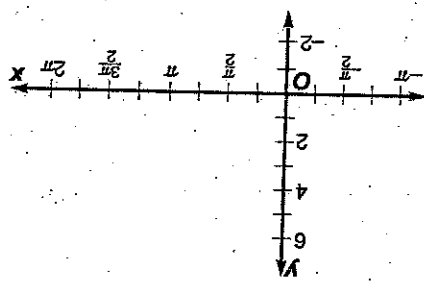


19.

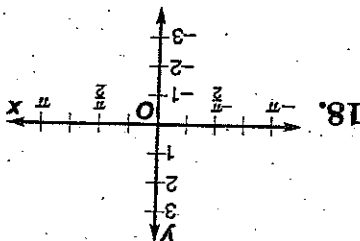
19.  $y = \csc\left(2x - \frac{\pi}{4}\right) + 3$

18.  $y = -\frac{5}{2} \cos(3x + \pi)$

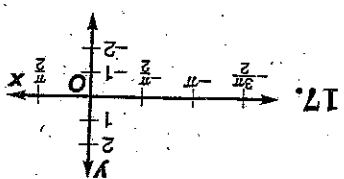
17.  $y = \cot x$  for  $-\frac{3\pi}{2} < x < \frac{3\pi}{2}$



19.



18.



17.