

ANSWERS 2ND 6 WEEKS TEST REVIEW

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|------------------------|-----------------|--------------------------|------------|
| 1. A: 6 | 2. A: 5 | 3. A: NONE | 4. A: NONE |
| R: YES | R: NO | R: NO | R: YES |
| P: π | P: 6π | P: π | P: $\pi/2$ |
| PS: RT $\frac{\pi}{4}$ | PS: RIGHT π | PS: LEFT $\frac{\pi}{8}$ | PS: 0 |
| VS: $VP2$ | VS: 0 | VS: -7 | VS: 1 |

5. $y = -2 \cos(x + \frac{3\pi}{4})$

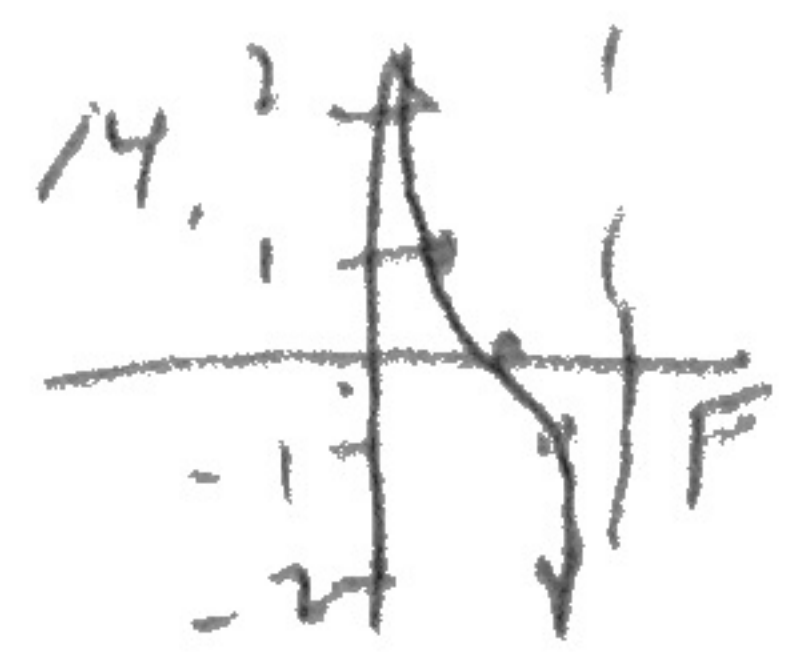
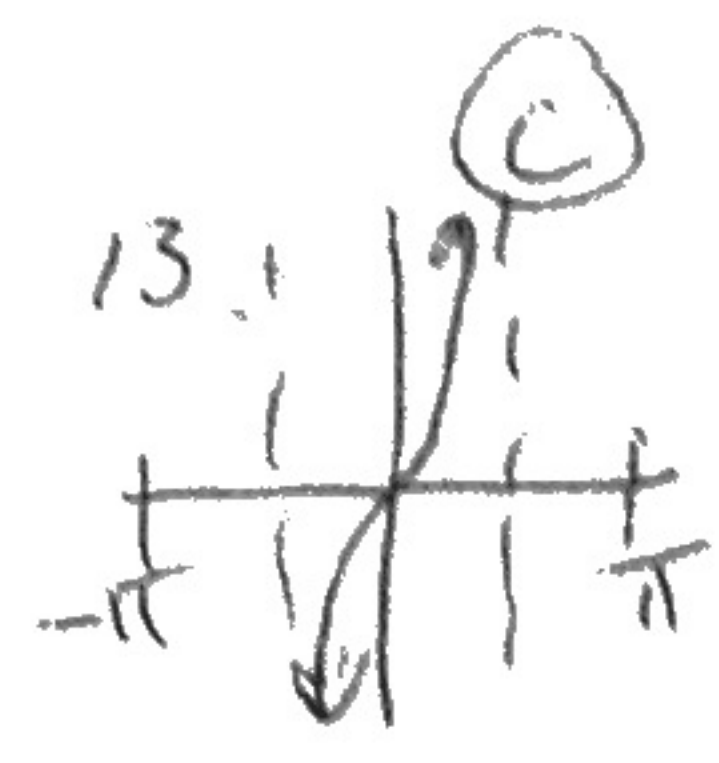
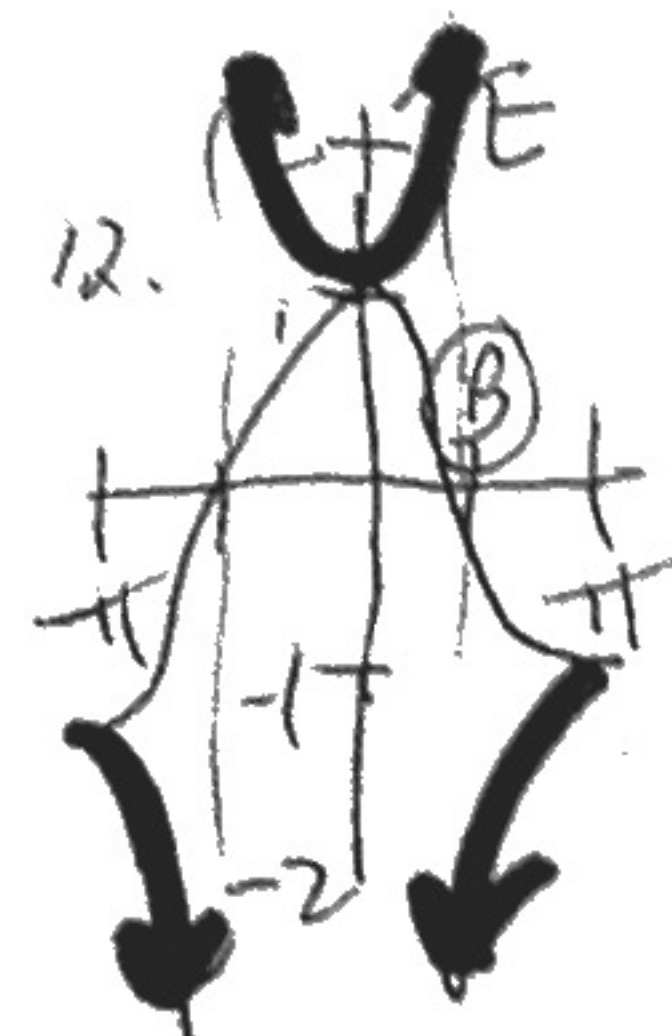
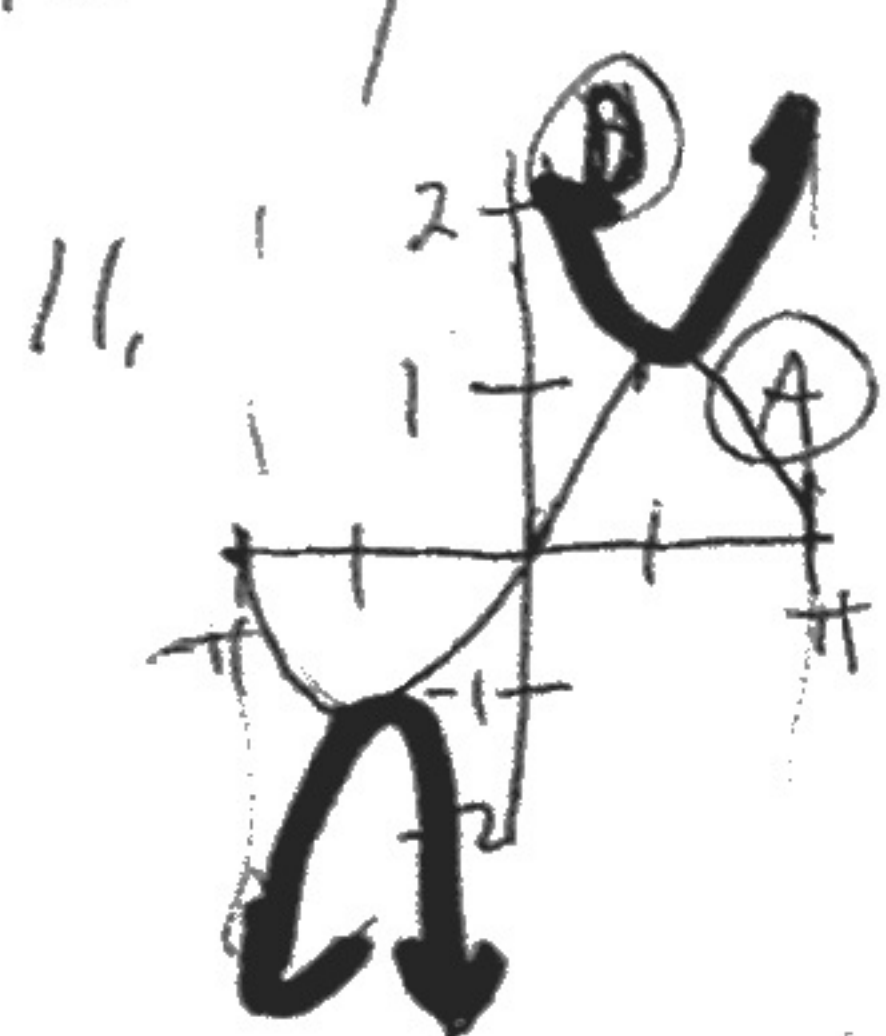
6. $y = 3 \sin 2(x - \frac{\pi}{4}) + 2$

7. $y = 2 \cot(x + \frac{\pi}{4})$

8. $y = -1 \tan(\frac{1}{2}x) - 3$

9. $y = -2 \sec x - 2$

10. $y = \csc(x + \frac{\pi}{4}) + 3$



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|----------------|----------------|--------------------------|---------------------|---------------------|---------------------|
| 15. A, C | 22. C, F | 29. D, E | 36. $\frac{\pi}{6}$ | 43. $\sec^2 \theta$ | 51. $5m^4$ |
| 16. A, B | 23. D, F | 30. D, E | 37. 45° | 44. $\tan \theta$ | 52. $\sec \theta$ |
| 17. A, B, D, E | 24. A, B | 31. $\frac{\pi}{6}$ | 38. -60° | 45. 1 | 53. $\cos^2 \theta$ |
| 18. A | 25. C, E | 32. $\frac{\pi}{4}$ | 39. 90° | 46. 1 | 54. 1 |
| 19. A, D, C, F | 26. B | 33. $\frac{2\pi}{3}$ | 40. 0 | 47. $\cos \theta$ | 55. 1 |
| 20. B, E | 27. C, F | 34. $\frac{\sqrt{2}}{2}$ | 41. $\frac{1}{2}$ | 48. $\cot \theta$ | 56. Arcsin |
| 21. A, B | 28. C, D, E, F | 35. $\frac{\sqrt{3}}{2}$ | 42. 150° | 49. $\cot^2 \theta$ | 57. $\tan^2 \theta$ |
| | | | | 50. $\tan \theta$ | 58. $\cot \theta$ |