

Precalculus

5.1 Homework

Odd Answers

1. $\cos x$

3. 1

5. -1

7. $\tan \alpha = -3$

$$\csc \alpha = -\sqrt{10}/3$$

$$\sin \alpha = -3/\sqrt{10} \text{ or } -3\sqrt{10}/10$$

$$\cos \alpha = 1/\sqrt{10} \text{ or } \sqrt{10}/10$$

$$\sec \alpha = \sqrt{10}$$

9. $4 \tan^2 \alpha - 1$

11. $2 \cos^2 \beta - \cos \beta - 1$

13. $\csc^2 x (\csc x + 1)(\csc x - 1)$

15. $(\sin x - 3)(2 \sin x + 1)$

17. $2 \cos y$

19. $\cos^2 \alpha$

21. $-\tan^2 x$

23. $-\cot^2 x$

25. $-\sin^2 x \cos^3 x$