

DE EXAM
Answers

1. $3x^2 - 2x - 4 = 0$

2. $\frac{13}{4}$

3. 8

4. 60

5. (3, 7]

6. $h = \frac{d}{\cot A - \cot B} = \frac{d \tan A}{1 - \cot B \tan A}$

7. $8 \sec A + 12 \csc A = \frac{12}{\sin A} + \frac{8}{\cos A}$

8. $\frac{\sqrt{5}}{3}$

9. $(F(x))^3 = G(x)$

10. 16

11. 79

12. 22 nickels

13. 16

14. 1

15. $m = -3$

16. 80

17. $\frac{1}{xy}$

18. 4

19. [-1, 2]

20. (-3, 4)

21. $\frac{1}{x + (1/x)} = \frac{x}{x^2 + 1}$