

Precalculus

3.5 Odd Answers

1. $x = 16$

3. $x = 10/3$

5. $x = e^{2/5} \approx 1.492$

7. $x = 6$

9. $x = 5$

11. $x = 21/8$

13. $x = 7$

15. $x = -\frac{\ln(1/3)}{2} \approx 0.549$

17. $x = \frac{\ln(8) - 5}{2} \approx -1.460$

19. $x = \ln\left(\frac{5}{4}\right) - 1 \approx -0.777$

21. $x = \log_2 10 \approx 3.322$ or $x = \frac{\log 10}{\log 2} = \frac{1}{\log 2}$

23. $x = \frac{\log_2(8/5)}{3} \approx 0.226$ or $x = \frac{\log(8/5)}{3\log 2}$

25. $x = \frac{5 + 2\log 3}{3\log 3 - 1} \approx 13.803$

27. $x = \frac{\log 3}{\log 4 + 2\log 3} \approx 0.307$

29. a) 34.99 mm^2 b) 1.98 days