

Packet 5 answers

1. oops. you tell me.
2. $y = x - 3 \quad 2 + 2$
3. minimum at (2,-11)
4. Maximum at (-3,21)
5. 1222 units
6. $f(-3) = 95$
7. $\pm 1, \pm 5, \pm 5/4, \pm 5/2$, touches
8. All real numbers $x \neq 3, -1$
9. All real numbers $x \neq 2/3$
10. V.A. $x = 0, x = 6$
11. V.A. $x = 6, x = -1$
12. no horizontal asymptote
13. H.A. $y = 0$
14. H.A. $y = 2/3$
15. S.A. $y = x + 2$
16. S.A. $y = x + 5$
17. No Slant Asymptote
18. \$13,116.51
19. \$9577.15
20. \$8,345.81
21. -1
22. 1/2
23. 23
24. 2
24. I love math
25. $\log 1000 + 3\log x - \log \text{amen}$
26. $3\ln x + 1/2\ln(x^2 + 1) - 2\ln x + 3\ln y + 4\ln z$
27. $\log 100 + 3\log x + 1/5\log(x-5) - \log 3 + 2\log(x + 7)$
28. $\log \frac{x(x^2-4)(x+2)}{15}$
29. $\log \frac{x^8}{\sqrt[3]{y}}$
30. no thank you!