

Problem Set 35 — Even Answers

2. 8100 chemicals

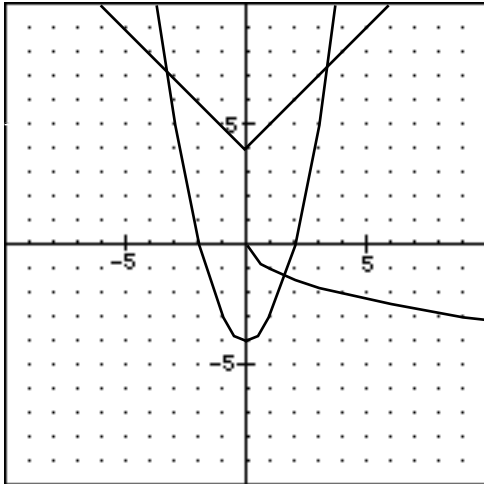
4. $131.\bar{6}$ pounds

6. $SA = (220 + 20\sqrt{34} + 32\pi) \text{ in}^2$
 $\approx 437.150 \text{ in}^2$

8. a, b, c

10. D: $\{x \in \mathfrak{R} \mid x \geq 0\}$

R: $\{f(x) \in \mathfrak{R} \mid f(x) \geq -5\}$



12.

14. $y = -\frac{3}{8}x - \frac{9}{4}$

16. $x = \frac{54}{5}, \quad y = \frac{15}{4}$

18. $2p^2x^2y(p^2 - 3px - 1)$

20. $-m^2(x-1)(x-1)$

22. $\frac{-5m^2 - 7m}{(m+2)(m+1)}$

24. $\frac{4\sqrt{7}}{7}, \quad \frac{14\sqrt{3}}{45}$

26. $x + a$

28. $x = \frac{58}{49}$

30. $\frac{25}{108}$