

Problem Set 21 — Even Answers

2. 1440 doubters

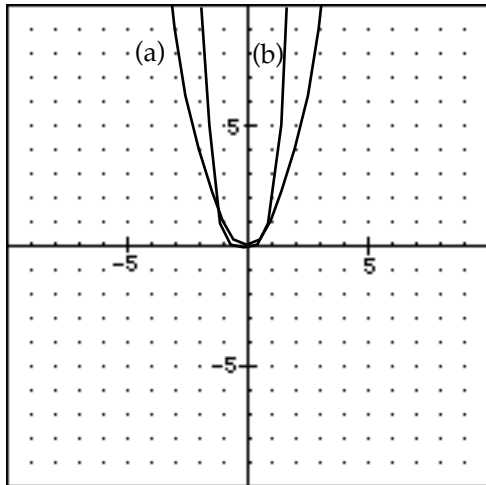
4. (20, 2)

6. $(4x^3 + 10x^2 + 10x + 6) \text{ m}^2$

8. $4x - 2 + \frac{16x - 4}{x^2 - 3}$

10. $\frac{-2np^2x - cnp^2xy + 7x^2y^2}{np^2y}$

12. $144\pi \text{ ft}^2 \approx 452.389 \text{ ft}^2$



14.

16a. $x = 5$

b. $y = 6$

c. $y = -2x - 2$

18a. $d = \sqrt{29} \approx 5.385$

b. $m = -\frac{5}{2}$

c. $y = -\frac{5}{2}x + 12$

20. $x = 25, \quad y = 11.2, \quad z = 38.4$

22. $x = 30, \quad 2x = 60$

$$A = \frac{8}{3}\pi \text{ m}^2 \approx 8.378 \text{ m}^2$$

$$L = \frac{4}{3}\pi \text{ m} \approx 4.189 \text{ m}$$

24. $\frac{1}{my^2} - \frac{3m^2x^2}{y}$

26. $x = \frac{18}{11}$

28. $x = 13$

30. -30