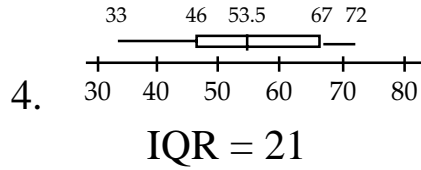


Problem Set 74 — Even Answers

2. 1.4×10^{10} K



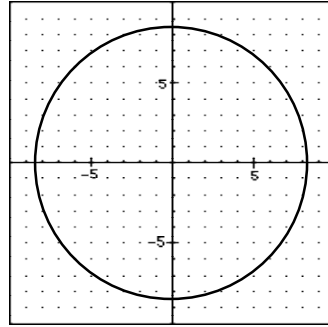
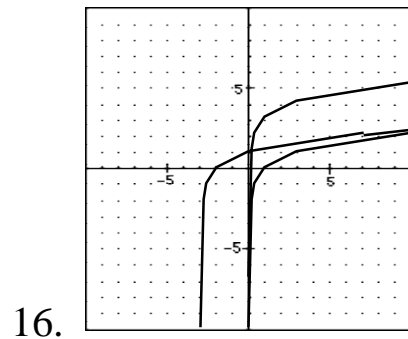
6. $(-3, -5), (-2, -3), (1, 0)$
 $(4, 2), (7, 3)$

8. $c = d = 3\sqrt{2} \approx 4.243$

10. $\frac{2x - 4}{(x + 5)(x - 2)}$

12. $\frac{-x + 8}{x + 3}$

14. $\approx (-19.319, 5.176)$



18. $Y_1 = \sqrt{70 - x^2}, Y_2 = -Y_1$

20. $(10, 20)$

22. $x = -\frac{7}{6} \pm \frac{\sqrt{73}}{6}$
 $\approx -2.591, 0.257$

24. $x = 20$

26. $-2 + 12i$

28. $4x^{\frac{4}{3}}y^{\frac{25}{6}}$

30. $x = 15, y = 15$