

Problem Set 20 — Even Answers

2. 6720

4. 54 g

6. (4, -1)

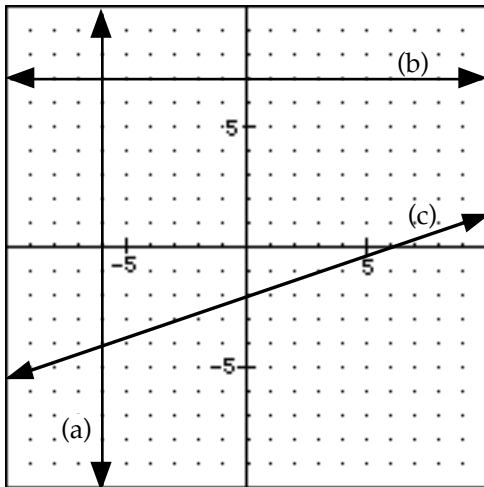
8. $\frac{4x^2 + a}{2x^2}$

10a. $h(6) = 3$

b. $h(9) = \sqrt{15} \approx 3.873$

12. $s = \frac{50}{3}, \quad t = \frac{40}{3}$

14. $A = \sqrt{3} \text{ in}^2 \approx 1.732 \text{ in}^2$



16.

18. $y = \frac{3}{5}x + \frac{17}{5}$

20. $a = 1 \text{ cm}, \quad b = 2 \text{ cm}$
 $A = 4\pi \text{ cm}^2 \approx 12.566 \text{ cm}^2$

22. $(22 + 5\pi) \text{ ft} \approx 37.708 \text{ ft}$

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

26. $x = \frac{67}{70}$

28. $x = -\frac{24}{5}$

30. -6