

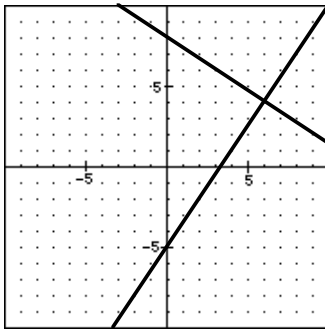
Problem Set 31 — Even Answers

2. 50 mph

4a. $P(A, A, A, A) = \frac{1}{28,561}$

b. $P(A, A, A, A) = \frac{1}{270,725}$

6. 96 cm^3



8.

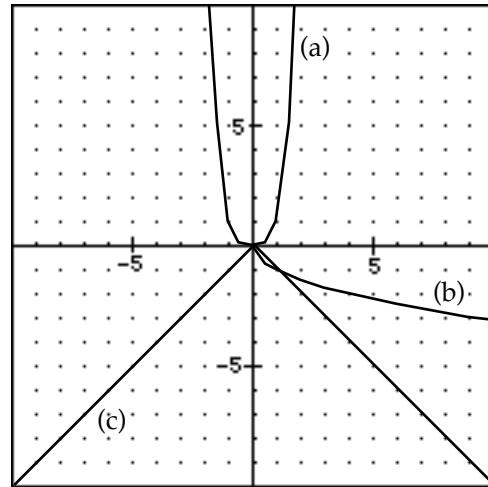
(6, 4)

10. $y = -6x + 23$

12. $x = 4.9, \quad y = \frac{30}{7}$

14a. $x^4 - 5x^3 - 3x + 15$

b. $x^2 + 5x + 25 + \frac{122}{x-5}$



16.

18. $L = \frac{56}{3}\pi \text{ cm} \approx 58.643 \text{ cm}$

20. $m^2x^2y(m^3y^2 + 12m^2x - 3y)$

22a. $\frac{2a^2 + x^2}{4x^2}$

b. $2x^2 + 3$

24. $x = \frac{7}{10}$

26. $6mx^{-1}$

28. $93\sqrt{2}$

30. 11