

Problem Set 34 — Even Answers

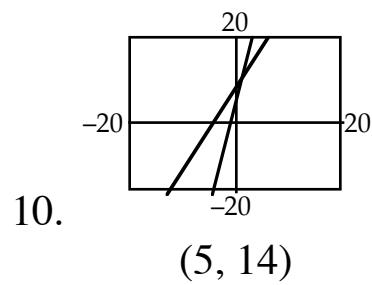
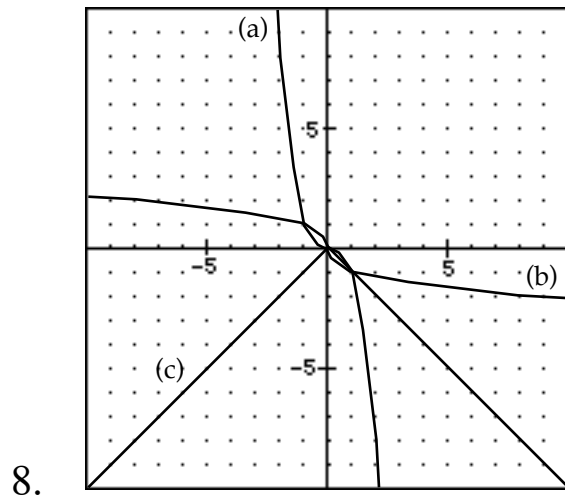
2. 20 miles

4. 400 nickels, 100 dimes

6a. $\frac{1}{2}$

b. $\frac{1}{16}$

c. $\frac{1}{16}$



12. $x = \frac{64}{7}, \quad z = \frac{160}{7}$

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

$$A = \frac{2}{3}\pi \text{ m}^2 \approx 2.094 \text{ m}^2$$

$$L = \frac{2}{3}\pi \text{ m} \approx 2.094 \text{ m}$$

16. $a(x - 8)(x + 1)$

18. $(x + 2y)(x + 3y)$

20. $x = -\frac{22}{7}$

22a. $\frac{3\sqrt{5}}{5}$

b. $\frac{\sqrt{2}}{8}$

24. $\frac{6x + 3}{(x + 1)(x + 1)}$

26. 9

28. 2×10^{-5}

30. $1 + 6x^9$