

## Problem Set 86 — Even Answers

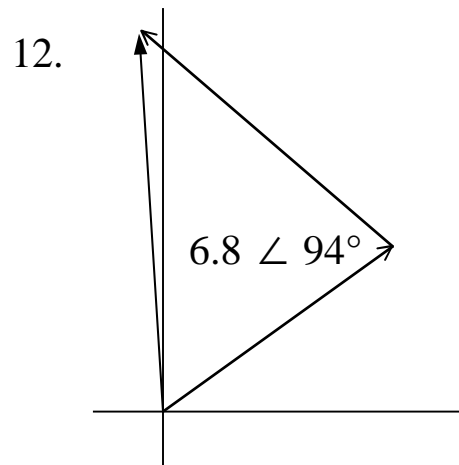
2. 625 monkeys

4. 16,800 ring-necked

6.  $n_5 = 23$ ,  $\text{med} = 6$

8.  $y = -0.611x + 0.148$

10.  $S = 1.015 I - 93.762$

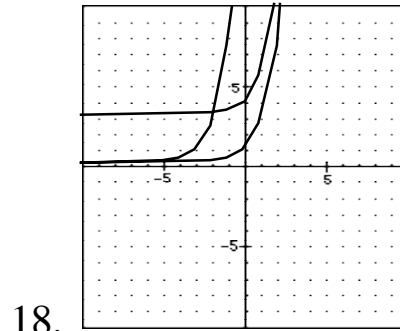


14.  $3 - 22i$

16a.  $x = 4$

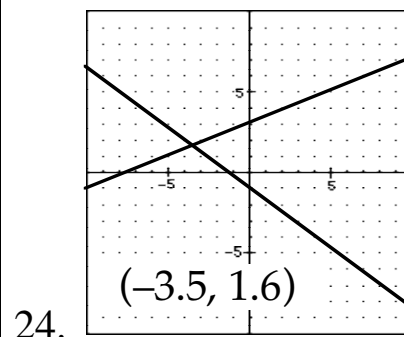
b.  $x = \frac{1}{64}$

c.  $x = 4$



20. 
$$\frac{x^2 - x - 11}{(x - 4)(x + 3)}$$

22. (1, 2)



26.  $p = 64$

28. 
$$Y_1 = -3 + \sqrt{36 - 2.25(x - 4)^2}$$
  

$$Y_2 = -3 - \sqrt{36 - 2.25(x - 4)^2}$$
  

$$x = 0.536, 7.464$$

30. 
$$t = \frac{cmr + mrx}{ar - cm - mx}$$