

Answers to Math 94 Practice Midterm

1. d
2. e
3. d
4. a
5. e
6. c
7. -1
8. -7
9. $-\frac{8}{3}$
10. $-\frac{35}{16}$
11. no solution
12. $\frac{16}{3}$
13. 103
14. $\frac{na-y}{n}$
15. $x \leq \frac{12}{5}$
16. $-2, 0, 2$
17. \$1250
18. 35, 70, 75 degrees
19. 20 gallons of 10% solution, 10 gallons of 40% solution
20. $\frac{4}{3}$
21. no slope
22. $-\frac{7}{3}$
23. neither
24. $y = -\frac{1}{3}x - \frac{11}{3}$
25. $y = -\frac{3}{4}x + \frac{1}{2}$
26. $y = \frac{3}{4}x - 3$
27. $y = -2x + 7$
28. $x = -3$
29. $(\frac{3}{4}, 0), (0, -3)$
30. $m = \frac{4}{3}, b = -2$

