

### Answers for Algebra 1 Assignment 10

#### HW #42; WS 6-1

1.  $5/3$
2.  $-2$
3.  $-2/3$
5.  $3/2$
6.  $4/3$
7.  $1/3$
8.  $-3/4$
9.  $1$
10.  $-9/5$
12.  $5/3$
13.  $0$
14. undefined
15.  $-2$
16.  $3$ ; score inc. by 3 for each 3-point basket.
17.  $1/5$ ; sound travels 1 mile for each 5 sec.
18.  $-16$ ; speed dec 16 ft/s for every second
19.  $7/3$
20.  $-5/6$
21.  $-2$
22.  $-4$
23.  $4/3$
24.  $0$
25. undefined
26.  $0$
27. undefined

#### HW #43; pp 314,

- 46a. Graph
- b.  $-2/3$
- c.  $-2/3$
- d. equal
- 47a&b. Answers can vary
48.  $0$
49.  $-6$
50.  $6$
54. F; it can be neg or 0
55. true
56. F; ex  $y = x + 2$
57. true

72. C
73. G

#### HW #44; WS 6-2

1.  $m = 1; b = 2$
2.  $m = -1/3; b = -3$
3.  $m = 2; b = -1$
4.  $m = 3/5; b = -1$
5.  $m = 1/2; b = -4$
6.  $m = 2; b = -3$
8.  $m = -1/3; b = -2$
9.  $m = -1, b = -2$
10.  $m = -2, b = 6$
11.  $m = -5; b = -2$
12.  $m = -1; b = 0$
13.  $m = 2; b = -4$
14.  $m = -5; b = 5$
15.  $m = 1; b = -4$
16.  $m = -4; b = 0$
17.  $m = 4/5; b = 2$
18.  $m = 3/4; b = -5$
19.  $m = 0; b = -6$
20.  $m = -2/3; b = 3$
21.  $m = -7/4; b = 6$
22.  $m = -3; b = 6$
23.  $m = -1/5; b = -2$
24.  $m = 3/7; b = 0$
25.  $y = 4x + 8$
26.  $y = -2x - 6$
27.  $y = \frac{4}{3}x$
28.  $y = -\frac{9}{5}x - 7$
30.  $y = \frac{3}{7}x - 1$
31.  $y = -\frac{1}{5}x - 3$
32.  $y = 9x + 4$
33.  $y = -8x + 11$
34.  $y = \frac{2}{9}x$
35.  $y = -11x + 13$
36.  $y = -\frac{7}{2}x - 6$
37.  $y = x + 3$
38.  $y = 3$
39.  $y = \frac{5}{3}x - 1$

40.  $y = -2x + 3$
42.  $y = \frac{1}{2}x - 4$
- 43a.  $y = 2000x + 4000$
- c.  $\$12,000$

#### HW #45; pp 321-322

59. No
60. Yes
61. No.
62. C
66.  $y = 2x - 1$
67.  $y = -4x + 7$
68.  $y = -\frac{1}{2}x + 8$
69.  $y = \frac{1}{4}x + 5$
70.  $y = -x - 3$
71.  $y = 3x - 6$