

## Answers for Algebra 1 Assignment 5

### HW #24; pp 167

1. 50%
2. 200%
3. 200
4. 50
5. 10
6. 6.4%
7. 160
8. 40
9. 36 hours
10. \$32.70
11. \$3896

### HW #25; WS 3-7

1. 25% dec
2. 150% inc
3. 50% dec
4. 200% inc
5. 6% dec
11. 150% inc
12. 20% dec
13. 50% inc
14. 10% dec
15. 13% dec
16. 50% inc
17. 20% dec
18. 11% dec
19. 22% inc
20. 18% inc
21. 30% inc
25. 310% inc
26. 13% dec
27. 45% inc

### HW# 26; WS 3-8

1. Rational
2. Rational
3. Irrational
4. Rational
5. Irrational
6. Irrational
7. Rational
8. Rational
9. 4.47

10. 8.54
11. -6.16
13. 12.22
14. -2.95
15. 14.62
25. 2.5
27. 14
28. 1.6
29. 0.5
30.  $\pm \frac{3}{10}$
31. 24
32.  $\pm \frac{11}{6}$
33. 40
34. -0.2
35. 50
36. 2.1
38. 11 and 12
39. -9 and -8
40. 9 and 10
- 45a. 4.2 ft
- b. 6.4 ft
- c. 7.1 ft
- d. 11.3 ft
46. 30.9 ft
17. 30.7
19. yes
21. no
23. no
25. yes
39. 7 ft
40. 16 ft
41. 13.3 mi
42. 43.6 ft
43. 13.2 ft

### HW #29; p.186

56. 10

### HW #27; p.179

54. false;  $\sqrt{1} = 1$
55. True
56. False; for ex.  
 $\sqrt{4} + \sqrt{9} \neq \sqrt{4+9}$
- 57a. 4 sq. units
- b.  $\frac{1}{2}$  sq. unit
- c. 2 sq. units
- d.  $\sqrt{2}$  units

### HW #28; WS3-9

1. 37
3. 60
5. 17
7. 30.0
9. 56.0
13. 19.0