

Key:

1. $x = \pm 6$	2. $x = \pm \sqrt{6}$
3. $x = \pm \frac{8}{3}$	4. No real Solutions
5. $x = -6, 0$	6. $x = 1 \pm \sqrt{2}$
7. $x = -4, 5$	8. $x = -2, -\frac{1}{2}$
11. width= $10\sqrt{15}$ in length= $20\sqrt{15}$	12. there should be two solutions . $x = \pm 6$
13. $t = 0.87$ sec	14. $t = 1.22$ sec
15. Although you double the size of the ladder, the time it takes to reach the ground does not double.	

Review

1. $6\sqrt{2}$	2. $x^3\sqrt{x^2}$
3. $\frac{11}{9}$	4. $3\sqrt{2}$
5. $14 + 6\sqrt{5}$	6. 46