1. 
2. 
3. 
4. 
5. 
   1. (-3,-34)=(-3,-34)
   2. minimum
6. 
7. Time= 2.5seconds. It will go 100 feet in the air.
8. all real numbers
9. 
10. . The domain is all real numbers except for 6 and 49/8.
11. Okay.
12. 
13. Okay
14. 
15. 
16. V(x)=x(30-2x)(12-2x)
17. Type into a graphing calculator to check yourself.
18. Type into a graphing calculator to check yourself.