Secondary II   Function worksheet   NAME_____ HOUR_____
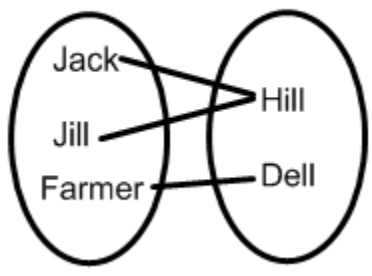
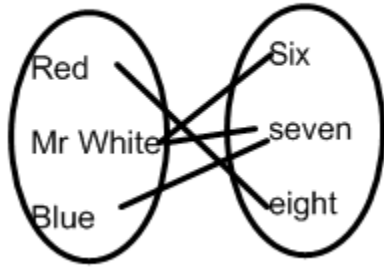Determine whether each relation is a function. If the relation is not a function, state the reason why.
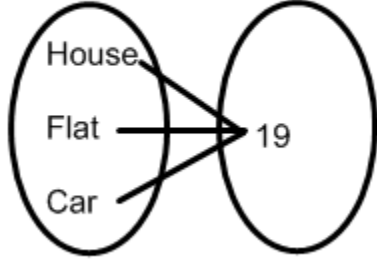
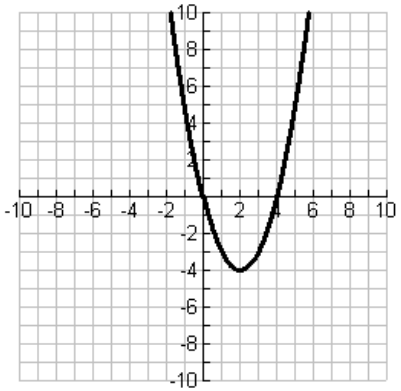1.   2.   3.
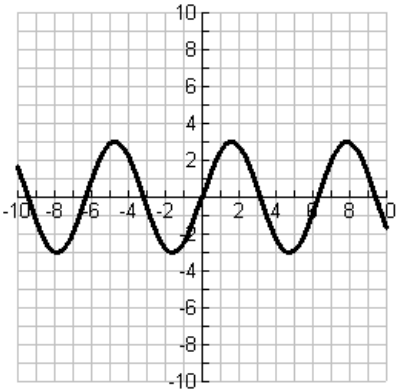

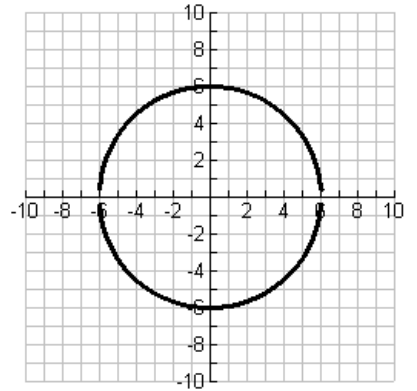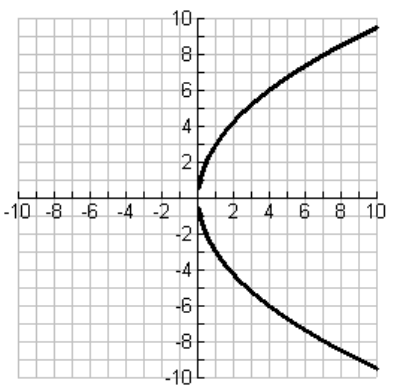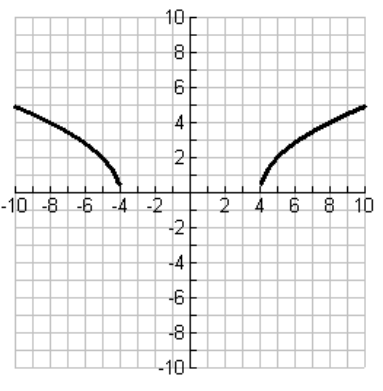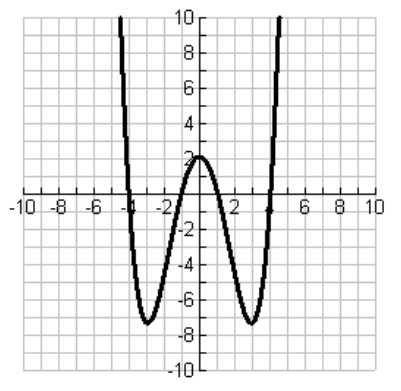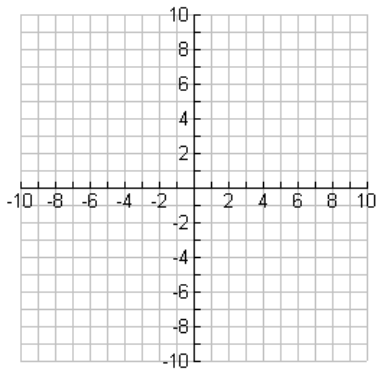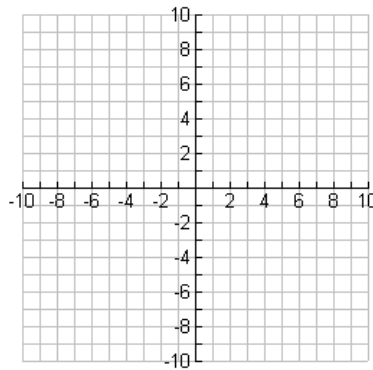| 4. (3, 4) (-2, 4) (6, 3) (1, 4)	5. (-2, 4) (2, 2) (4, 6) (3, -2) (-4, 4) (-2, 4)	6. (2, -4) (4, 4) (6, -1) (5, 0) (1, 6) (2, 4) (3, -2)
7. 	8. 	9.
10. 	11. 	12.

Graph each equation or sets of equations and determine if the graph is a function
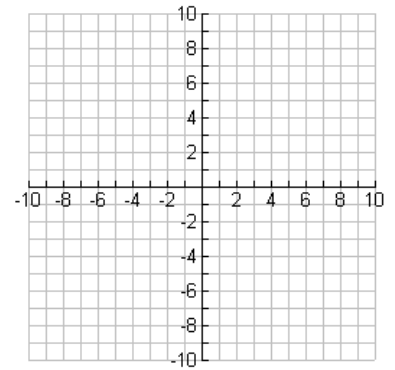
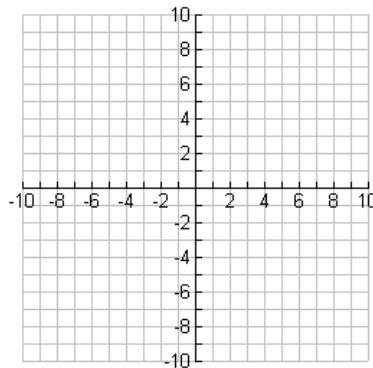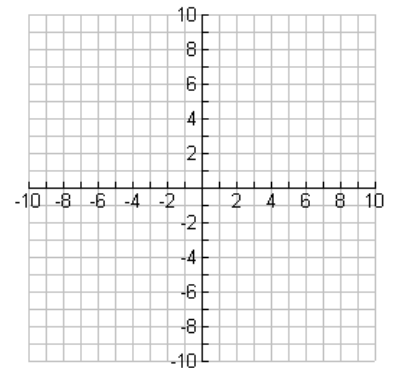| 13. $y = x^3 + x^2 - 5x$	14. $y = x^2 + x - 5$	15. $y = (x-4)^2$ $y = -(x-4)^2$

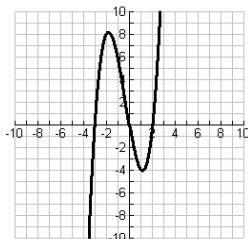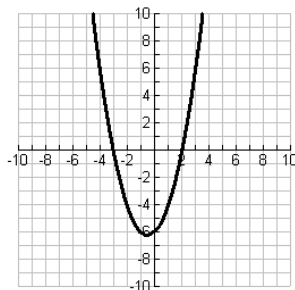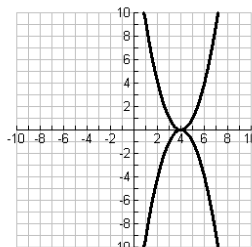| 16. $y = \sqrt{64 - x^2}$ $y = -\sqrt{64 - x^2}$	17. $y = -x^2$	18. $\sin(x)$

Answers

1) Yes
2) No, Mr. White is not talented enough to be both six and seven
3) Yes
4) Yes
5) Yes
6) No -2 cannot hit both -4 and -2
7) Yes
8) Yes
9) No –Fails vertical line test
10) No –Fails vertical line test
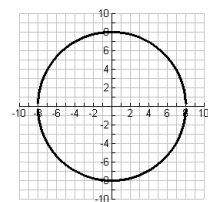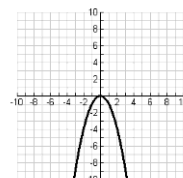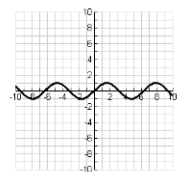11) Yes
12) Yes
13) Yes

14) Yes

15) No Fails vertical line test

16) No Fails vertical line test

17) yes

18) yes

19)