

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

9

6 - Exercises

1, 2-20 even

ALL EVEN

Show Sol

ODD

1. Solve one of the equations for one of the variables and substitute into the other equation and solve.

2. *Sample answer:* Both can be solved by graphing; Some nonlinear systems cannot be solved algebraically.

4. D; no solutions

6. C; $(-2, 5)$, $(1, 2)$

8. no solutions

10. $(6, 4)$, $(2, 0)$

12. $(-3, 14)$, $(1, 2)$

14. $(-1, -3)$

16. $(-3, -2)$, $(1, 6)$

18. $(2, 10)$, $(-\frac{3}{2}, -4)$

20. no solutions

24. no solutions

28. The number 4 should be substituted for y , not for x ;
 $4 = 3x^2 - 6x + 4$; $x = 0$ or $x = 2$

34. about $(-1.092, 5.469)$

36. about $(-3.416, -2.004)$, about $(-0.415, -2.513)$, about
 $(1.405, -11.593)$

38. about $(1.303, -3.303)$, about $(-2.303, 0.303)$

40. no solutions

44. $x \approx -0.43$, $x \approx 2.21$

56. **a.** two solutions
b. no solutions