

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

9

5 - Exercises

1, 2-30 even

ALL EVEN

Show Solu

ODD

1. the quadratic formula; $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

2. $b^2 - 4ac$; the number of real solutions of a quadratic equation

4. $x^2 - 4x + 12 = 0$; $a = 1$, $b = -4$, $c = 12$ or
 $-x^2 + 4x - 12 = 0$; $a = -1$, $b = 4$, $c = -12$

6. $-4x^2 + 3x + 2 = 0$; $a = -4$, $b = 3$, $c = 2$ or
 $4x^2 - 3x - 2 = 0$; $a = 4$, $b = -3$, $c = -2$

8. $-3x^2 - 8x - 3 = 0$; $a = -3$, $b = -8$, $c = -3$ or
 $3x^2 + 8x + 3 = 0$; $a = 3$, $b = 8$, $c = 3$

10. no real solutions

12. $x = 1$, $x = -\frac{1}{2}$

14. $x = \frac{1}{3}$

16. no real solutions

18. $x \approx 4.3, x \approx 0.7$

20. $x \approx 1.1, x \approx -0.3$

22. $x \approx -0.3, x \approx -0.8$

24. a. 1999, 2011

b. no; According to the model, the amount of trout caught after 2020 is negative.

26. two real solutions

28. one real solution

30. no real solutions