

HW #510 Part A: Algebra I Pre-AP – Using Square Roots to Solve Quadratic Equations. Must show all work.

Solve #1 - 8 by using the square root method.

Express your answers as integers, fractions in lowest terms, or **simplified radicals**.

1) $x^2 = 225$	2) $x^2 - 108 = 0$	3) $36x^2 - 5 = 95$
4) $9x^2 + 7 = 35$	5) $3y^2 + 2 = 11$	6) $2c^2 - 20 = 88$
7) $(y - 5)^2 = 4$	8) $(x + 4)^2 = 50$	

Solve #9 - 14 by using the square root method. Express your answers in **decimal approximations** rounded to the nearest hundredth.

9) $x^2 = 19$	10) $v^2 + 2 = 48$	11) $-3y^2 + 10 + 23 = 0$
12) $7n^2 + 3 = 10$	13) $k^2 - 20 = -20$	14) $(x + 4)^2 = 50$

HW #510 Part B: ONLINE SUBMISSION (1-17)