

Solving Equations Using the Square Root Method

$$\sqrt{144}$$

$$\sqrt{1}$$

$$\sqrt{40}$$

$$\sqrt{18}$$

$$\sqrt{115}$$

Square Root	Perfect Square
1	1
2	4
3	9
4	16
5	25
6	36
7	49
8	64
9	81
10	100
11	121
12	144
13	169
14	196
15	225

1. Solve each equation. Round your answer to the nearest tenth.

a) $x^2 = 196$

b) $x^2 = 24$

c) $64x^2 = 9$

d) $3x^2 = 150$

e) $(x-3)^2 - 16 = 0$

f) $(x+2)^2 - 1 = 80$

g) $5(x-1)^2 - 125 = 0$

h) $(x-1)^2 = 10$

i) $8(x+2)^2 = 40$