

9.3 Solve

$$x^2 - 5x + 4 = 0$$

Standard Form

Set = 0

$$ax^2 + bx + c = 0$$

$$x^2 - 5x = -4$$

Set = 0

$$x^2 - 5x + 4 = 0$$

Solve
Factor

$$(x-1)(x-4) = 0$$

1 · 4

2 · 2

Set
factors
= 0

$$x-1=0 \quad x-4=0$$

$$x=1 \quad x=4$$

x-intercepts $y=0$

$$(1,0) \quad (4,0)$$

