

Radical Equations Example 8

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If we square both sides of the equation

$$(x - 1)^2 = (\sqrt{4x + 13} - 3)^2$$

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We need to distribute the right hand side.

▶ It becomes a mess!

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Squaring both sides [▶ See polynomial squared out](#)

$$x^2 + 4x + 4 = (x + 2)^2 = (\sqrt{4x + 13})^2$$

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