

Solve - 3

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Name:

Solve each of the following equations.

(1) $\sqrt{x^2 - x + 2} = 2$	(2) $\sqrt{2x - 2} = x - 1$	(3) $\sqrt{4x + 1} = 3 - 3x$
(4) $2 - \sqrt[3]{x^2 + 2x} = 0$	(5) $\sqrt{2x + x} - 4 + \sqrt{10 - 3x} = 0$	(6) $\sqrt{2x^2 - 7} - x = 3$
(7) $\sqrt{2x + 7} = x + 2$	(8) $2\sqrt{x} - \sqrt{4x - 3} = \frac{1}{\sqrt{4x - 3}}$	(9) $\sqrt{x^2 - \sqrt{2x + 1}} = 2 - x$
(10) $\sqrt{2x - 10} + \sqrt{x + 9} = 2$	(11) $\sqrt{2x + 8} + \sqrt{2x + 5} = \sqrt{8x + 25}$	(12) $\sqrt[3]{2x - 1} = \sqrt[6]{x + 1}$

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