

# [radical expressions]

1.  $\sqrt{x-5} = 3$
2.  $\sqrt[3]{4x-7} = 5$
3.  $7 - \sqrt{x-4} = 3$
4.  $13 - \sqrt[3]{5x-4} = 7$
5.  $\sqrt{5x-1} = 2\sqrt{x+3}$
6.  $2\sqrt{3-7x} - 3\sqrt{8x-12} = 0$
7.  $2\sqrt[3]{3x-35} = 5\sqrt[3]{2x-7}$
8.  $\sqrt{9x^2-11x+5} = 3x-2$
9.  $\sqrt[4]{2x+11} = \sqrt{5}$
10.  $\sqrt{4x^2-7x+1} = 2x - 1\frac{4}{5}$
11.  $\sqrt{x+25} = 1 + \sqrt{5}$
12.  $\sqrt{8x+33} - 3 = 2\sqrt{2x}$
13.  $\sqrt{x+3} + \sqrt{x} = 5$
14.  $10 - \sqrt{25+9x} = 3\sqrt{x}$
15.  $\sqrt{x-4} + 3 = \sqrt{x+11}$
16.  $\sqrt{9x-8} = 3\sqrt{x+4} - 2$
17.  $\sqrt{4x+5} - \sqrt{x} = \sqrt{x+3}$
18.  $\sqrt{25x-29} - \sqrt{4x-11} = 3\sqrt{x}$

