



Surd Equations



1. $\sqrt{x+5} = 4$
2. $\sqrt{x-4} = 8$
3. $\sqrt{x+15} = 4x$
4. $\sqrt{2x+1} = \sqrt{x} + 1$
5. $\sqrt{2x-14} = \sqrt{x} - 1$
6. $\sqrt{3x+4} = \sqrt{x} + 2$
7. $\sqrt{2x+7} = \sqrt{x} + 2$
8. $\sqrt{5(x+1)} = \sqrt{x} + 3$
9. $\sqrt{3x} = \sqrt{x+1} + 1$
10. $\sqrt{3(x+1)} - 1 = \sqrt{x+2}$
11. $\sqrt{4x+9} = \sqrt{2x+1} + 2$
12. $\sqrt{4x+1} - 3 = \sqrt{x-2}$

