**Equations with Square & Cube Roots Notes Name\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Inverse Operations (Opposite Operations) |
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**Examples: Solve for x and check your solution.**

1) 5 + $\sqrt{x-3}$ = 9 2) $\sqrt{x+5}$ - 3 = 3 3) 2$\sqrt[3]{x+7}$ + 3 = 15

**You try: Don’t forget to check your solution!**

1) 11 = $\sqrt{x+20}$ 2) $\sqrt{4x-3}$ - 10 = -3 3) $\sqrt[3]{2x+3}$ = 5

**Examples: Solve for x and check your solution.**

1) x2 = 81 2) x2 + 3 = 103 3) 2x3 – 5 = 49

**You try: Don’t forget to check your solution!**

1) -5 + 3x2 = 22 2) x3 – 50 = -23 3) -4x2 + 7 = -93