Solving “Simple” Square & Cube Equations Notes

Inverse Operations Review:

Solve the equations involving a square. Write answers as integers or in decimal form, rounded to the hundredths place if necessary.

\[ x^2 = 36 \] \[ x^2 = 100 \] \[ x^2 = 25 \]

\[ x^2 = 40 \] \[ x^2 = 10 \] \[ x^2 = 32 \]

\[ x^2 = -1 \] \[ x^2 = -4 \] \[ x^2 = -8 \]
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\[ x^2 + 8 = 28 \quad 7x^2 = 21 \quad 7x^2 + 1 = 29 \]

\[ 3 - 4x^2 = -85 \quad -2x^2 = 62 \quad 16x^2 = 49 \]

Solve the equations involving a cube. Write answers as integers or in decimal form, rounded to the hundredths place if necessary.

\[ x^3 = 27 \quad x^3 = 8 \quad x^3 = 64 \]

\[ x^3 = -1 \quad x^3 = -512 \quad x^3 = -343 \]

\[ x^3 = 2 \quad x^3 = 70 \quad x^3 = 400 \]

\[ 2x^3 = 84 \quad x^3 - 7 = 2 \quad 4x^3 + 40 = 12 \]