1.001 Solve for x in the equation:

$$x^3 = 64$$

1.002 Find the value of y in the equation:

$$3y^3 = 27$$

1.003 Determine the solutions to the equation:

$$2x^3 - 8 = 0$$

1.004 Solve for z in the equation:

$$5z^3 + 125 = 0$$

1.005 Find all real solutions to the equation:

$$2x^3 - 18x = 0$$

1.006 Solve for x in the equation:

$$4x^3 + 12x^2 - 48 = 0$$

1.007 Find the roots of the equation:

$$x^3 - 27x^2 + 216x = 0$$

1.008 Determine the solutions to the equation:

$$3x^3 - 27x = 0$$

1.009 Solve for y in the equation:

$$2y^3 + 10y^2 - 20y = 0$$

1.010 Find all real solutions to the equation:

$$x^3 - 6x^2 + 11x - 6 = 0$$