List the square and cube of each number:

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Use the above table to estimate the following values to one decimal place, then check:

Square root of 6  Square root of 30  Square root of 24
Square root of 110  Square root of 52  Square root of 40
Square root of 34  Square root of 11  Square root of 99
Cube root of 9  Cube root of 75  Cube root of 100
Cube root of 23  Cube root of 45  Cube root of 400

Use square roots and cube roots to solve the following algebra problems:

\[ A^2 = 16 \quad B^3 = 27 \quad C^2 = 31 \quad D^3 = 49 \]

\[ E^2 + 7 = 16 \quad F^2 - 4 = 21 \quad G^3 - 19 = 45 \]
What is the area of a square with side length 18cm? What if its side length is 7m?

What is the side length of a square with area 200cm²? What if its area is 15m²?

What is the volume of a cube with side length 10cm? What if its side length is 2m?

What is the side length of a cube with volume 45cm³? What if its volume is 225m³?