

This print-out should have 5 questions. Multiple-choice questions may continue on the next column or page – find all choices before answering.

Remember to always enter at least 6 digit answers.

Acceleration Conversion**001 10.0 points**

Convert an acceleration of 3.1 mi/h/s to m/s^2 .
Answer in units of m/s^2 .

Angle Conversion**002 10.0 points**

Convert 22.7° to radians.
Answer in units of rad.

Area of a Lot**003 10.0 points**

Find the area of a rectangular building lot that is 110 ft by 40 ft.
Answer in units of m^2 .

Block Density**004 10.0 points**

A block of material has dimensions 3.7 cm by 6.8 cm by 5.7 cm. Its mass is 629 g.
What is the density?
Answer in units of g/cm^3 .

Circular Copper Plate**005 10.0 points**

A flat circular plate of copper has a radius of 0.216 m and a mass of 95.4 kg.
What is the thickness of the plate?
Answer in units of m.