1. (3 points) How many cm are there in 45.2 km?

45.2 km ×
$$\frac{10^3 \text{ m}}{1 \text{ km}} \times \frac{10^2 \text{ cm}}{1 \text{ m}} = 4.52 \times 10 \text{ cm}$$

2. (3 points) How many inches are there in 0.52 m?

3. (3 points) What mass of lead (Pb) would have the same volume of 54.5 g of

3. (3 points) What mass of lead (Pb) would have the same volume of 54.5 g of iron?

$$d_{lead} = \frac{11.3g}{cm^3}$$

$$d_{iron} = \frac{8.74g}{cm^3}$$

4. (3 points) How many mm² are there in 0.525 cm²?

- 5. (3 points) Give the symbol or name of the following elements:
- (a) K Potassium

 (c) Mg Magnesium