

## Converting Area

Remember 36 yd = \_\_\_\_\_ cm

$$36 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} \times \frac{12 \text{ in}}{1 \text{ ft}} \times \frac{2.54 \text{ cm}}{1 \text{ in}}$$
$$3291.84 \text{ cm}$$

Now area...

287 yd<sup>2</sup> = \_\_\_\_\_ km<sup>2</sup>

yd - m - km

or

yd - mi - km

$$287 \text{ yd}^2 \times \left( \frac{1 \text{ m}}{1.0936 \text{ yd}} \right)^2 \times \left( \frac{1 \text{ km}}{1000 \text{ m}} \right)^2$$
$$= 0.00024 \text{ km}^2$$

Try this...

$$4.5 \text{ in}^2 = \underline{\hspace{2cm}} \text{ cm}^2$$

$$4.5 \text{ in}^2 \times \left( \frac{2.54 \text{ cm}}{\text{in}} \right)^2 = 29.03 \text{ cm}^2$$

Homework

Worksheet to be submitted.