The width of a rectangle is one-third its length. If its perimeter is 24 cm, what is its area?

1. What are my formulas for perimeter and area?

2. width =
$$\frac{1}{3} 2 = \frac{1}{3} (9) = 3 \text{ cm}$$

3. length =
$$\sqrt{2}$$
 = $\sqrt{2}$ cm

5. Area =

$$A = 9.3$$