Name $\qquad$ Date $\qquad$

1. I have a prism with the dimensions of 6 cm by 12 cm by 15 cm . Calculate the volume of the prism, then give the dimensions of three different prisms that have $\frac{1}{3}$ of the volume.

2. Sunni's bedroom has the dimensions of 11 ft by 10 ft by 10 ft . Her den has the same height, but double the volume. Give two sets of the possible dimensions of the den and the volume of the den.

Bedroom: $11 \mathrm{ft} \times 10 \mathrm{ft} \times 10 \mathrm{ft}=1100 \mathrm{ft}^{3}$
Den: $11 \mathrm{ft} \times \underset{20}{ } \mathrm{ft} \mathrm{ft} \times 10 \mathrm{ft}=2200 \mathrm{ft}^{3}$
Den: $\mathrm{Fft} \times 10 \mathrm{ft} \times 10 \mathrm{ft}=2200 \mathrm{ft}^{3}$
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