# Area and volume scale factors

*Exit ticket* Name _____

1. Two similar shapes have lengths 3 cm and 12 cm.
Write down the area scale factor.

2. Two similar triangles have bases 2 cm and 6 cm.
The small triangle has an area of 4 $cm^2$. Find the area of the large triangle.

3. Two similar cylinders have heights 5 cm and 10 cm.
The small cylinder has a volume of 6 $cm^3$.
Find the volume of the large cylinder.




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