a) 36m² b) 81cm² c) 20.25m²

4) Simplify without a calculator as a fraction in lowest terms. Then use a calculator to check.

a) $\sqrt{\frac{9}{16}}$ b) $\sqrt{\frac{25}{64}}$ c) $\sqrt{\frac{1}{49}}$ d) $\sqrt{\frac{81}{100}}$

5) Simplify without a calculator. Then use a calculator to check. a) $\sqrt{0.04}$ b) $\sqrt{0.36}$ c) $\sqrt{0.0001}$ d) $\sqrt{0.0144}$

6) We generally imagine that the resulting square root is smaller than its square (look at question #2). Explain why the square root values from #5 are bigger than the original square.

7) Explain why it is not possible to square root a negative number.