Squares and Square Roots Check-in Name _____

1. Find the area of a square with a side length ... a) 8m _____
   b) 5cm _____
2. Find the side length of a square with area... a) 121 m^2 _____
   b) 196cm^2 _____
3. Which of these numbers is a perfect square? 4 15 49 102
   Explain how you know.
   _____
   _____
4. Show me, using 2 methods of your choice, that 9 is a square number.

5. If the area of my living room is 49m^2, what is its perimeter?

6. Does the following list of numbers belong to a perfect square?
   1, 2, 4, 8, 16, 32, 64 YES or NO
   How do you know? _____
7. Square the following numbers... a) 25 _____
   b) 4 _____
8. Solve:
   a) $\sqrt{25}$ _____ (b) $\sqrt{100}$ _____ (c) 4^2 _____ (d) 13^2 _____
   e) $\sqrt{4^2}$ _____ (f) $\sqrt{5}$ _____ (g) 0.3^2 _____ (h) 14^2 _____
9. Order from least to greatest
   a. $\sqrt{36}$, 36, 4, 9 _____
   b. $\sqrt{400}$, $\sqrt{100}$, 19, 15 _____