1. The equation $(x - 3)^2 + (y - 4)^2 = 16$ represents a circle. What is the center and radius of that circle?

2. We know that $\sqrt{2}$ is irrational. In plain English describe what this means.

3. What is $\sqrt{2} \times \sqrt{2}$?

4. Is the product of two irrational numbers always irrational?

5. If a rectangle has area 10 and one side is 3, what is the other side?

6. Find the average of the number you found in the answer to the above question, and the number 3.

7. What is a crude estimate for the square root of 10?