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| **Always, Sometimes, Never?** |
| **Rational and Irrational Numbers** |
| For each of these statements, decide whether they are always, sometimes or never true. Explain your reasoning and support your argument with examples. |
| **The sum of two rational numbers is a rational number** | **The circumference of a circle is an irrational number** |
|  |  |
| **The difference between two irrational numbers is an irrational number** | **The product of two rational numbers is an irrational number** |
|  |  |
| **The area of a square is a rational number** | **The product of a rational number and an irrational number is irrational** |
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