STUDY LINK 9·10 | **Solving Equations by Trial and Error**

Find numbers that are close to the solution of each equation.
Use the suggested test numbers to get started.

SRB 241–243

1. Equation: $r^2 + r = 15$

r	r^2	$r^2 + r$	Compare $r^2 + r$ to 15.
3	9	12	< 15
4	16	20	> 15
3.5	12.25	15.75	> 15

My closest solution _____

2. Equation: $x^2 - 2x = 23$

x	x^2	$2x$	$x^2 - 2x$	Compare $x^2 - 2x$ to 23.
6	36	12	24	> 23
5	25	10	15	< 23
5.5	30.25	11	19.25	< 23

My closest solution _____

Practice

3. $56 - 42.52 =$ _____

4. $23.5 - 5.88 =$ _____