

Lesson 7: Connecting Representations of Functions

Cool Down: Comparing Different Areas

The table shows the area of a square for specific side lengths.

side length (inches)	0.5	1	2	3
area (square inches)	0.25	1	4	9

The area A of a circle with radius r is given by the equation $A = \pi \cdot r^2$.

Is the area of a square with side length 2 inches greater than or less than the area of a circle with radius 1.2 inches?