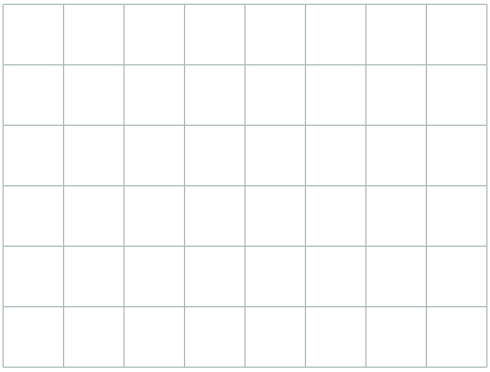
Name: Date:

Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Task 1 grid: sqrt(48)

Hypothetical 8 mm cells; blank factor-tree area and final-expression cell.



8 columns × 6 rows; 8 mm square cells; actual size at 100% printing.

Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Check-by-squaring response fields

Hypothetical response fields; practice values and reasons left empty.

Outside factor squared	
Times inside radicand	
Compare with original radicand	
No perfect-square factor > 1 inside?	

Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Original tasks 1, 2, 3 / blank responses

Task 1

Simplify the square root of 48.

Task 2

Simplify 3 times the square root of 50.

Task 3

Simplify the square root of 98.

Simplifying Radicals on Graph Paper: Step-by-Step Grid Support

Original tasks 4 / blank responses

Task 4

Simplify the square root of 200.