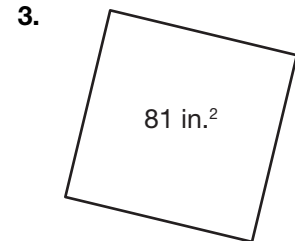
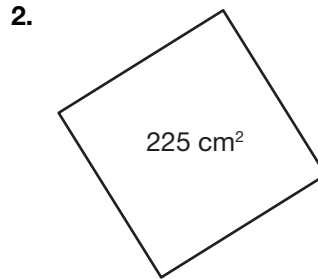
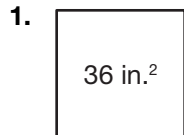


Assignment

Name _____ Date _____

Tiling a Bathroom Wall Simplifying Square Root Expressions

Find the side length of each square tile. Use a complete sentence to explain how you found your answer.



4. The table below shows the numbers 1 through 15 and their squares. Complete the table.

n	n^2	n	n^2	n	n^2	n	n^2	n	n^2
1	1	2		3		4		5	
6		7		8		9		10	
11		12		13		14		15	

4

For each square root, write the two consecutive whole numbers it is between. Then circle the integer it is closer to.

5. $\sqrt{60}$

6. $\sqrt{28}$

7. $\sqrt{45}$

8. $\sqrt{108}$

Rewrite each radical expression in simplest form.

9. $\sqrt{60}$

10. $\sqrt{28}$

11. $\sqrt{45}$

12. $\sqrt{108}$

Simplify each radical expression.

13. $\frac{1}{\sqrt{5}}$

14. $\frac{3}{\sqrt{2}}$

15. $\frac{3}{\sqrt{6}}$