Name Schlansky
Mr. Schlansky

Date _____
Geometry

Reducing Radicals

Reducing Radicals

-Separate into two radicals (perfect squares and non perfect squares). Find the largest perfect square that divides in

-Take the square root of the perfect square. Bring the non-perfect square down

1. $\sqrt{45}$

$\sqrt{9}\sqrt{5}$

$3\sqrt{5}$

2. $\sqrt{50}$

$\sqrt{25}\sqrt{2}$

$5\sqrt{2}$

3. $\sqrt{162}$

$\sqrt{81}\sqrt{2}$

$9\sqrt{2}$

4. $\sqrt{32}$

$\sqrt{16}\sqrt{2}$

$4\sqrt{2}$

5. $\sqrt{48}$

$\sqrt{16}\sqrt{3}$

$4\sqrt{3}$

6. $\sqrt{75}$

$\sqrt{25}\sqrt{3}$

$5\sqrt{3}$

7. $\sqrt{48}$

$\sqrt{16}\sqrt{3}$

$4\sqrt{3}$

8. $\sqrt{200}$

$\sqrt{100}\sqrt{2}$

$10\sqrt{2}$

9. $\sqrt{98}$

$\sqrt{49}\sqrt{2}$

$7\sqrt{2}$

10. $\sqrt{125}$

$\sqrt{25}\sqrt{5}$

$5\sqrt{5}$

11. $\sqrt{147}$

$\sqrt{49}\sqrt{3}$

$7\sqrt{3}$

12. $\sqrt{192}$

$\sqrt{64}\sqrt{3}$

$8\sqrt{3}$

PS

1
4
9
16
25
36
49
64
81
100