

Name: _____

Simplifying Radicals Practice

Simplify. Assume variables represent non-negative real numbers.

1) $\sqrt{27}$

$3\sqrt{3}$

7) $\sqrt{1875}$

$25\sqrt{3}$

12) $\sqrt{722}$

$19\sqrt{2}$

2) $\sqrt{75}$

$5\sqrt{3}$

8) $\sqrt{338}$

$13\sqrt{2}$

13) $\sqrt{10935}$

$27\sqrt{15}$

3) $\sqrt{567}$

$9\sqrt{7}$

9) $\sqrt{1458}$

$27\sqrt{2}$

14) $\sqrt{17100}$

$30\sqrt{19}$

4) $\sqrt{180}$

$6\sqrt{5}$

10) $\sqrt{3610}$

$19\sqrt{10}$

15) $\sqrt{1445}$

$17\sqrt{5}$

5) $\sqrt{3456}$

$24\sqrt{6}$

11) $\sqrt{2448}$

$12\sqrt{17}$

16) $\sqrt{208}$

$4\sqrt{13}$

6) $\sqrt{4860}$

$18\sqrt{15}$

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17) $\sqrt{3718}$

$13\sqrt{2}$

19) $\sqrt{120}$

$2\sqrt{30}$

21) $\sqrt{768}$

$16\sqrt{3}$

18) $\sqrt{3267}$

$33\sqrt{3}$

20) $\sqrt{1500}$

$10\sqrt{15}$

22) $\sqrt{1058}$

$23\sqrt{2}$