

Name \_\_\_\_\_

Simplifying Radicals Worksheet 2

Simplify.

1.  $\sqrt{256}$

16

2.  $-\sqrt{144}$

-12

3.  $\sqrt{169}$

13

4.  $-\sqrt{484}$

-22

5.  $-\sqrt{\frac{16}{49}}$

$-\frac{4}{7}$

6.  $\sqrt{\frac{36}{6}}$

$\sqrt{6}$

7.  $\sqrt{243}$

$9\sqrt{3}$

8.  $\sqrt{82}$

9.  $\sqrt{96}$

$4\sqrt{6}$

10.  $\sqrt{45}$

$3\sqrt{5}$

11.  $\sqrt{18}$

$3\sqrt{2}$

12.  $\sqrt{32}$

$4\sqrt{2}$

13.  $\sqrt{68}$

$2\sqrt{17}$

14.  $\sqrt{12}$

$2\sqrt{3}$

15.  $\sqrt{32}$

$4\sqrt{2}$

16.  $\sqrt{54}$

$3\sqrt{6}$

17.  $\sqrt{240}$

$4\sqrt{15}$

18.  $\sqrt{50}$

$5\sqrt{2}$

19.  $\sqrt{60}$

$2\sqrt{15}$

20.  $\sqrt{77}$

21.  $\sqrt{80}$

$4\sqrt{5}$

22.  $\sqrt{27}$

$3\sqrt{3}$

23.  $\sqrt{110}$

24.  $\sqrt{78}$

25.  $\sqrt{128}$

$8\sqrt{2}$

26.  $\sqrt{35}$

27.  $\sqrt{116}$

$2\sqrt{29}$

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28.  $\sqrt{220}$

$2\sqrt{55}$

29.  $\sqrt{500}$

$10\sqrt{5}$

30.  $\sqrt{444}$

$2\sqrt{111}$

31.  $\sqrt{490}$

$7\sqrt{10}$

32.  $\sqrt{275}$

$5\sqrt{11}$

33.  $\sqrt{310}$

34.  $\sqrt{800}$

$20\sqrt{2}$

35.  $\sqrt{516}$

$2\sqrt{129}$

36.  $\sqrt{1000}$

$10\sqrt{10}$