

# Simplifying Radicals: Not Perfect Square

Simplify:

1  $\sqrt{32}$

2  $\sqrt{18}$

3  $\sqrt{28}$

4  $\sqrt{40}$

5  $\sqrt{48}$

6  $\sqrt{x^9}$

7  $\sqrt{y^5}$

8  $\sqrt{12}$

9  $\sqrt{24}$

10  $\sqrt{125}$

11  $\sqrt{150}$

12  $\sqrt{48}$

13  $\sqrt{50}$

14  $\sqrt{72}$

15  $\sqrt{175}$

16  $\sqrt{80}$

17  $\sqrt{48}$

18  $\sqrt{120}$

19  $\sqrt{108}$

20  $\sqrt{90}$

21  $\sqrt{148}$

# Simplifying Radicals: Not Perfect Square

## Answers

1  $\sqrt{32}$

$4\sqrt{2}$

4  $\sqrt{40}$

$2\sqrt{10}$

7  $\sqrt{y^5}$

$y^2\sqrt{y}$

10  $\sqrt{125}$

$5\sqrt{5}$

13  $\sqrt{50}$

$5\sqrt{2}$

16  $\sqrt{80}$

$4\sqrt{5}$

19  $\sqrt{108}$

$6\sqrt{3}$

2  $\sqrt{18}$

$3\sqrt{2}$

5  $\sqrt{48}$

$4\sqrt{3}$

8  $\sqrt{12}$

$2\sqrt{3}$

11  $\sqrt{150}$

$5\sqrt{6}$

14  $\sqrt{72}$

$6\sqrt{2}$

17  $\sqrt{48}$

$4\sqrt{3}$

20  $\sqrt{90}$

$3\sqrt{10}$

3  $\sqrt{28}$

$2\sqrt{7}$

6  $\sqrt{x^9}$

$x^4\sqrt{x}$

9  $\sqrt{24}$

$2\sqrt{6}$

12  $\sqrt{48}$

$4\sqrt{3}$

15  $\sqrt{175}$

$5\sqrt{7}$

18  $\sqrt{120}$

$2\sqrt{30}$

21  $\sqrt{148}$

$2\sqrt{37}$