

Reducing Radicals

Simplify Each Radical:

1) $\sqrt{18}$

2) $\sqrt{24}$

3) $\sqrt{45}$

4) $\sqrt{72}$

5) $\sqrt{72}$

6) $\sqrt{72}$

1) Check to see if the number is a perfect square.

2) Use the y = screen like you do when you factor trinomials. ($72/x$)

Instead of looking for "factors of/sum of" you will look for factors that are perfect squares.

3) Factor only using factor pairs that have a factor that is a perfect square.

7) $\sqrt{80}$

8) $\sqrt{180}$

9) $\sqrt{289}$

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10) $\sqrt{192}$

11) $\sqrt{245}$

12) $\sqrt{512}$

13) $\sqrt{484}$

14) $\sqrt{162}$

15) $\sqrt{432}$

16) $\sqrt{605}$

17) $\sqrt{864}$

18) $\sqrt{961}$