Focus:

1. To be able to convert between mixed radicals and entire radicals.



Definitions

F Perfect Square: the result of 2 of the same factors multiplied

The opposite operation of x^2 is ____

Entire Radical: the number is under the noot

Mixed Radical: root and roefficient

Converting Mixed Radicals to Entire Radicals

operation.

Write as an entire radical

can't be under $5\sqrt{3}$ $10\sqrt{2}$ $3\sqrt{6}$

Converting Entire Radicals to Mixed Radicals

Write the radicand as a product of a **Destect** square and another number.

Take the _____ of the perfect square and leave the rest

Write each as a mixed radical in simplest form.

√12 √4·3 2√3	√24 J4.6° 2√6	$-\sqrt{63} - \sqrt{9.7}$ $-3\sqrt{7}$	$-5\sqrt{18} - 5\sqrt{9.2}$ $-5(3)\sqrt{2}$ $-15\sqrt{2}$
√72 Jq.8 3√8 3√8 1	√121 \\	4√30 1,30 2,15 4√30	$-7\sqrt{75}$ $-7\sqrt{25.3}$
354.2		3,10	-35\3

assignment: worksheets