Name

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Simplifying Radicals Review



I can simplify square roots.

Simplifying Square Roots:

All square root expressions are in simplest form when **no** perfect square factor other than 1 is in the radicand (the number underneath the radical). Simplify each of the following. Hint: Find the largest perfect square factor of the radicand.

Perfect squares are: 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, etc.

Examples:

- A) $\sqrt{12} = \sqrt{4} \cdot \sqrt{3} = 2\sqrt{3}$
- B) $\sqrt{98} = \sqrt{49}\sqrt{2} = 7\sqrt{2}$
- C) $\sqrt{75} = \sqrt{25}\sqrt{3} = 5\sqrt{3}$

Simplifying Radicals Practice

Simplify each of the following.

