

Algebra 1

Name_____ ID: 1

Day 1 - Simplify Radicals and Multiply

Date_____ Period____

Simplify.

1)
$$-2\sqrt{100}$$

2)
$$-2\sqrt{50}$$

3)
$$-4\sqrt{72}$$

4)
$$-2\sqrt{63}$$

5)
$$3\sqrt{256m}$$

6)
$$-4\sqrt{256m^2}$$

$$(7) -2\sqrt{20x^4y^2}$$

8)
$$-\sqrt{24x^3y}$$

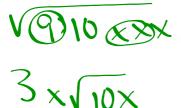
9)
$$\sqrt{6} \cdot -4\sqrt{12}$$

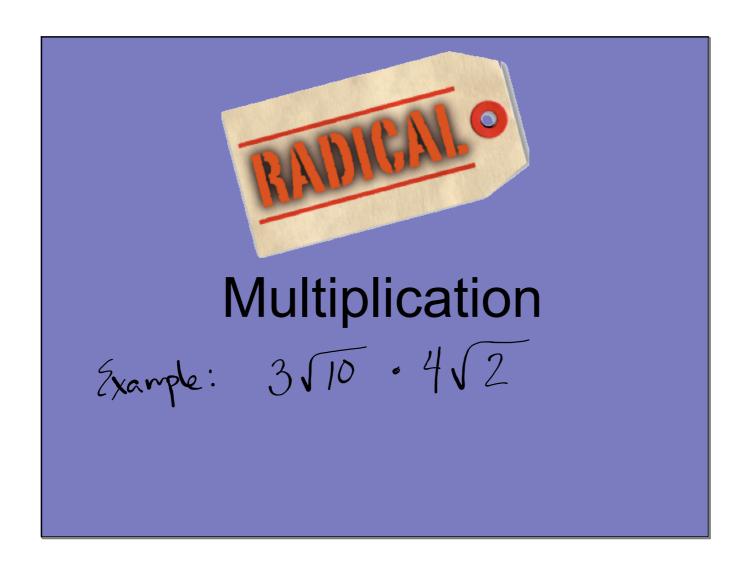
10)
$$5\sqrt{10} \cdot \sqrt{12}$$

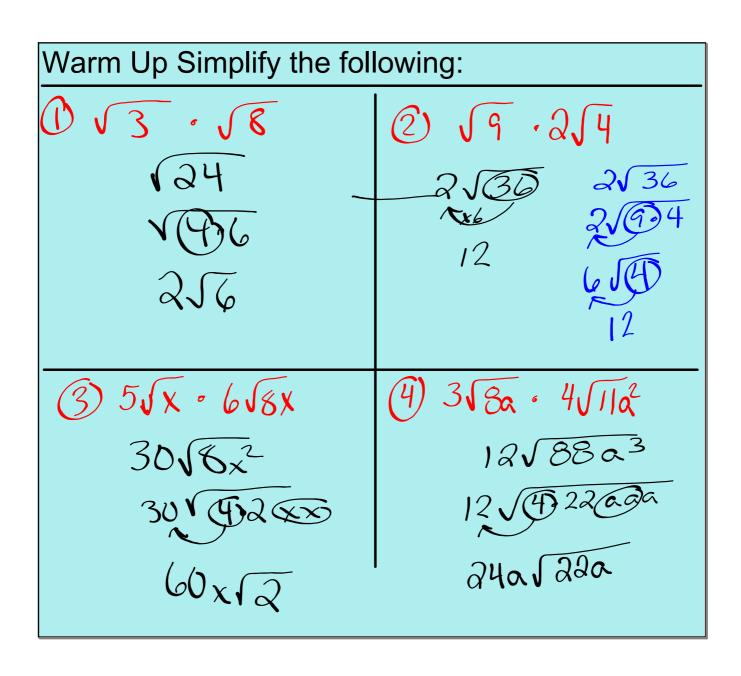
11)
$$6\sqrt{15} \cdot \sqrt{15}$$

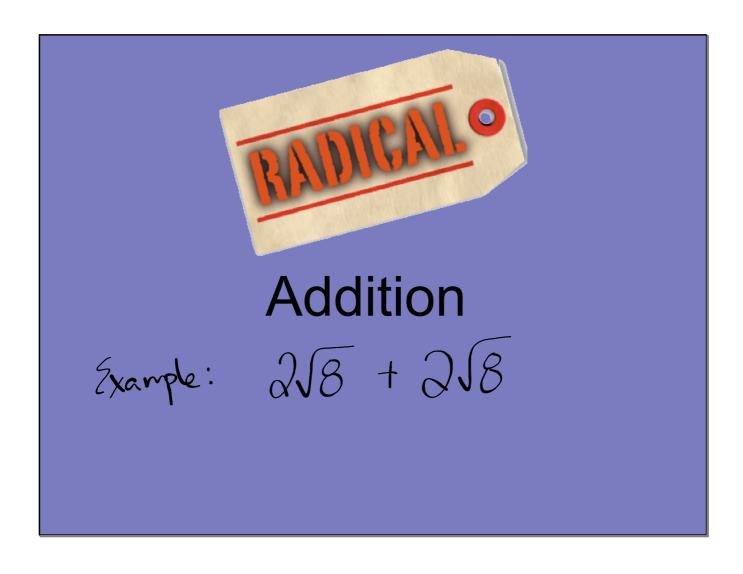
12)
$$\sqrt{9} \cdot \sqrt{6}$$
 $\sqrt{54}$
 $\sqrt{9} \cdot 6$
 $\sqrt{3} \cdot 6$

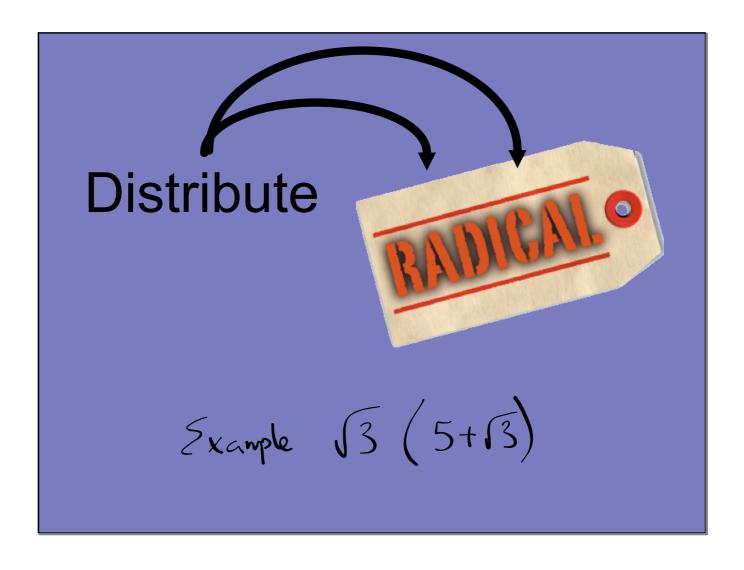
13)
$$\sqrt{15x^2} \cdot \sqrt{6x}$$

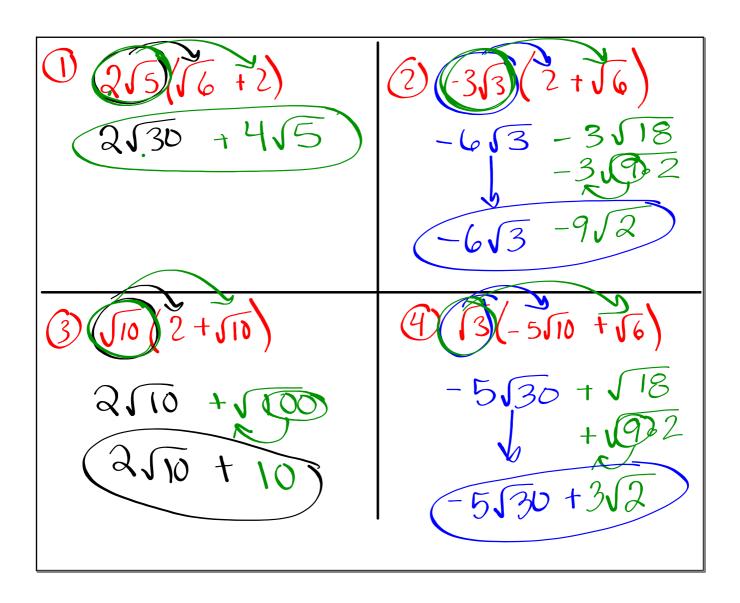












3- J2x)	6 Jon (7n3 + J12)
7531(16+510)	8) J21r (5+J7)

HW / Practice

Algebra 1

Name ID:

Day 2 - Adding and Subtracting Radicals

Date_____ Period____

Simplify.

1)
$$6\sqrt{180x^4y^3}$$

2)
$$4\sqrt{28u^3v^3}$$

3)
$$\sqrt{3} + \sqrt{3}$$

4)
$$\sqrt{6} + \sqrt{6}$$

5)
$$-\sqrt{20} + 2\sqrt{5}$$

6)
$$2\sqrt{20} - 3\sqrt{45}$$

7)
$$\sqrt{3} + \sqrt{3} + \sqrt{3}$$

8)
$$\sqrt{2} + \sqrt{2} + \sqrt{5}$$

9)
$$-3\sqrt{3} - \sqrt{3} + 2\sqrt{18}$$

10)
$$-\sqrt{8} - \sqrt{12} - 3\sqrt{12}$$

11)
$$-2\sqrt{8} - 2\sqrt{12} + 3\sqrt{18}$$

12)
$$-\sqrt{2} - \sqrt{2} + 3\sqrt{2}$$

13)
$$\sqrt{15}(2-3\sqrt{6})$$

14)
$$-5\sqrt{6}(2\sqrt{3}+3)$$

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