Do Now:

Simplify or combine like terms.

 $1. 2\Delta + 3\Delta - 8\partial = 5\Delta - 8\partial$

2. $-3 \odot (\odot + 4) = -3 \odot^2 - 12$

3. $(1 - \Omega)^2 = (1 - \Omega)(1 - \Omega)^2 = (-\Omega - \Omega + \Omega^2)^2 = (-2\Omega + \Omega)^2$

4. $2^{2} - 2^{2} + 8^{2} = 10^{2} - 2^{2}$

SECTION 10.3 Operations with radical expressions (Day 1)

Add, subtract, multiply and divide radicals.

SWBAT:

Operations of Radicals

> Adding and Subtracting Radicals: ≻ To add or subtract radicals, combine like terms (radicals)! ► Make sure all radicals are simplified >Add/subtract the numbers in front of the radicals (like terms only!) / reducal Stays the same

ex:
$$2\sqrt{5} + 3\sqrt{5}$$

 $5\sqrt{5}$

Adding & Subtracting Radicals:

 $3\sqrt{3} - 4\sqrt{2} + \sqrt{3} + 7\sqrt{2}$ 33+13 -412+712 43+312

Adding & Subtracting Radicals:

 $\sqrt{8} - \sqrt{5} + 4\sqrt{2}$ 8 = 1412 = 212212+412+-15 6 2 - 5

Adding & Subtracting Radicals:

 $10\sqrt{27} - \sqrt{3} - 4\sqrt{75}$ 10[27 = 10[9[3 = 10.3[3 = 30[3]])4 75 = 4 25 3 = 4.513 = 2013 3013-13-2013 03

HOMEWORK



Worksheet - all