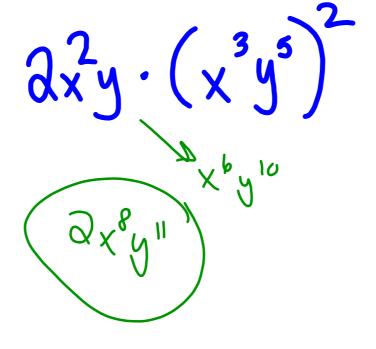
## January 6th

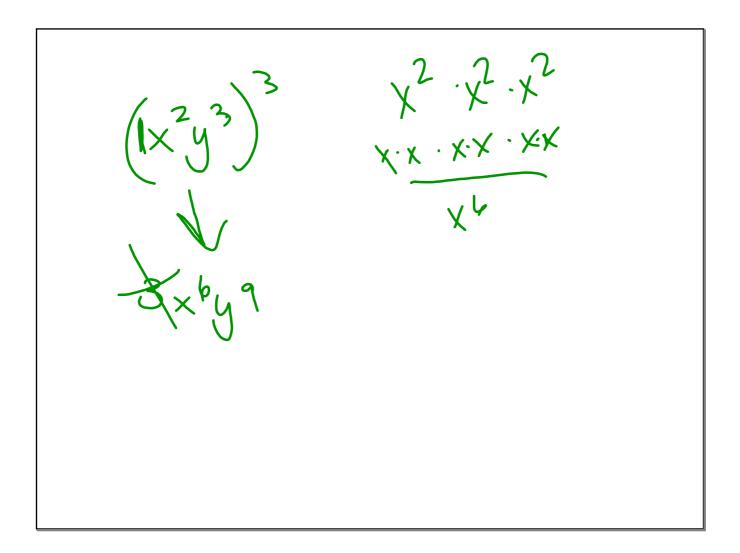
Due Today:6.1 HW

**Unit 6: Exponents and Radicals** 

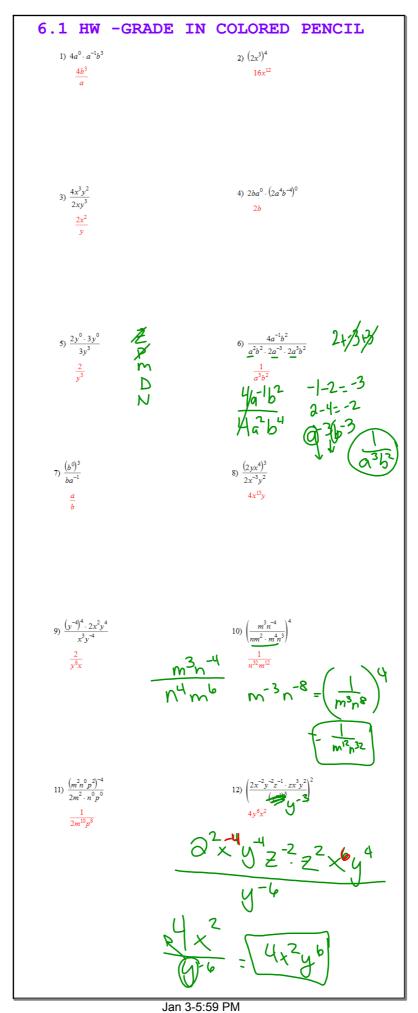
Lesson 6.2: Challenge Practice with Exponents

## **Get Ready: Simplify:**





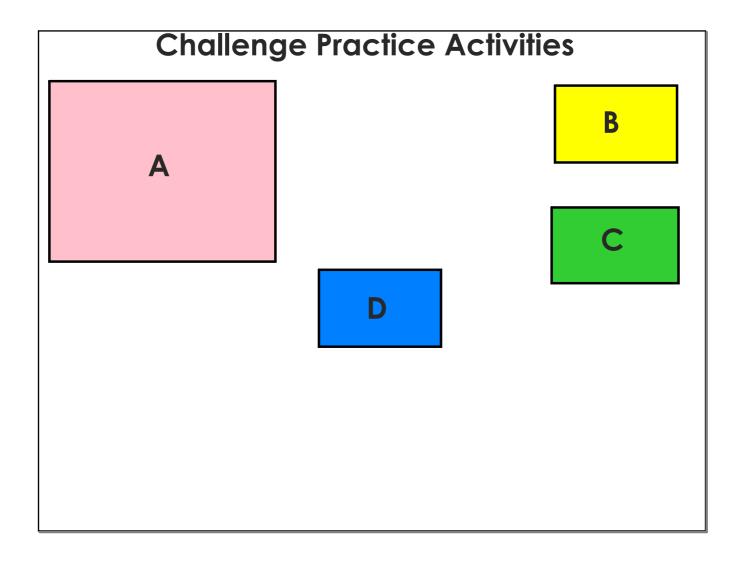
14x9

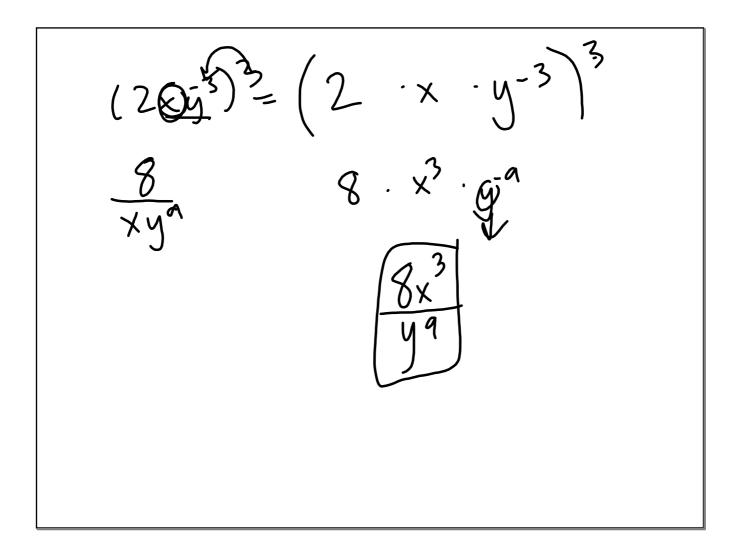


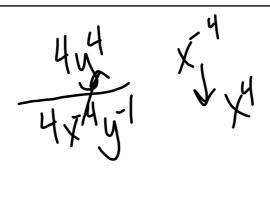
Each of these children have a favorite candy that they can't live without. Match up each child with their age and favorite candy. Their names are Aaron, Ashley, and Andrew. Their ages range from 3 to 5 years old. Their favorite candy is either Skittles, Hershey's Kisses, or Jolly Ranchers.

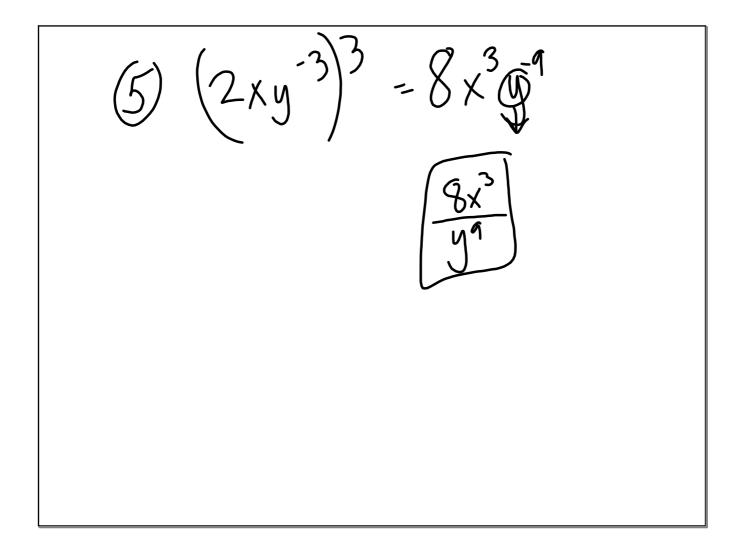
- 1. Ashley is allergic to chocolate.
- 2. Aaron does not like Jolly Ranchers.
- 3. Andrew is the oldest.
- 4. Ashley is younger than Andrew but older than Aaron.
- 5. Andrew likes Jolly Ranchers.

	Hershey's	Jolly	Skittles	Three	Four	Five
Aaron						
Ashley						
Andrew						
Three						
Four						
Five						







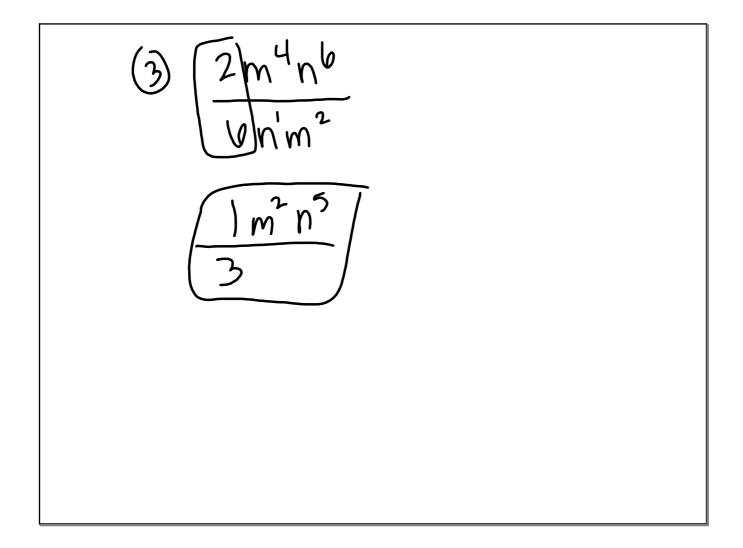


$$\frac{4x^{2}-4x^{4}}{2x^{3}y^{4}} = \frac{16x^{5}y^{2}}{2x^{3}y^{4}}$$

$$= 8x^{2}y^{2}$$

$$= 8x^{2}y^{2}$$

$$= \frac{16x^{5}y^{2}}{2x^{3}y^{4}}$$



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Unit 6: Exponents and Radicals							
Lesson #	† Name	Recap	HW				
6.1	Review of basic Exponent Laws		HW 6.1 *unit 5 corrections				
6.2	Challenge Practice		HW 6.2				

There are 3 people: Mr. Bob, Mr. Jim, and Mr. Smith. Each one of them has a different job. The jobs are a firefighter, a police officer, and a nurse. Each one of them has one day off: Monday, Thursday, or Sunday. Using the clues below, find out who does what job, and what day they have off.

- 1. Mr. Jim wishes he was a nurse because it pays more money than his current job.
- 2. Mr. Smith has a weekend day off.
- 3. The person who has Thursday off, is not a firefighter.
- 4. Mr. Bob is a firefighter.

$$\frac{\left(\bigcirc \star \diamondsuit^{-2}\right) \star \triangle^4}{\left(\square \star \triangle^5\right) \star \left( \bigstar \star \left(\triangle^{-1}\right)\right)^2}$$

5) 
$$\frac{a^{4}b^{3}}{a^{-4} \cdot (2a^{-4})^{4}}$$

$$8a^{-1b}$$

$$\frac{a^{4}b^{3}}{a^{-4} \cdot 8a^{-1b}} = \frac{a^{4}b^{3}}{8a^{-2}}$$

$$-4 \cdot 1b : \cdot 20$$

$$4 = -20 = 24$$

6) 
$$\frac{x^3 \cdot 2x^2y^3 \cdot 2yx^3}{(2xy^4)^2}$$

$$\frac{= 4 \times 6 y^{3}}{4 \times y^{8}} \qquad 6-1=5$$

$$= \times 5 y^{-5}$$

$$= \frac{\times 5}{4 \times 5}$$