A1.2 Algebra Homework

1. (1 pts)

Match the definition to the correct rule of exponents.

- A. ____ one
- B. ____ repeated multiplcation
- C. repeated division
- A. ____ add the exponents
- B. ____ subtract the exponents
- C. multiply the exponents

2. (1 pts)

Simplify each multiplication problem and write the answer using positive exponents

$$x^4x^0 =$$

$$-2y^{-9} - 2y^3 =$$

3. (1 pts)

Simplify and write the answer with positive exponents only.

$$\frac{30x^{-6}}{2} =$$

$$\frac{2y^3}{30y^6} =$$

$$\frac{8z^2}{z^2} =$$

4. (1 pts)

Simplify each problem.

$$(x^4)^{-7} =$$

$$(6y^3)^{-2}$$
 = _____

$$6(z^3)^{-2} =$$

5. (1 pts)

Simplify completely. Write the answer with positive exponents.

$$(3x^2y^5)(4x^5y^{-4})_{=}$$

6. (1 pts)

Simplify completely. Write the answer with positive exponents.

$$(4x^{-5}y^7)(4x^2y^{-4})_{=}$$

7. (1 pts)

Simplify and write the answer with positive exponents only.

$$\frac{(10x^{-2})(6x^{14})}{5x^4} =$$

8. (1 pts)

Simplify and write the answer with positive exponents only.

9. (1 pts)

Simplify and write the answer with positive exponents only.

++++++++++++

A1.2 Algebra Homework

1. (1 pts)

Match the definition to the correct rule of exponents.

Α.	One
л.	one

B. ____ repeated multiplcation

C. ____ repeated division

A. ____ add the exponents

C. ____ multiply the exponents

2. (1 pts)

Simplify each multiplication problem and write the answer using positive exponents

3. (1 pts)

Simplify and write the answer with positive exponents only.

$$(2y^{3})/(30y^{6})$$

$$(8z^{(2)})/z^{(2)} =$$

4. (1 pts)

Simplify each problem.

$$(x^{4})^{-3} =$$

5.	(1	pts)
Si	mı	plify

plify completely. Write the answer with positive exponents.

$$(3x^{(2)}y^{(5)})(4x^{(5)}y^{(-4)}) =$$

6. (1 pts)

Simplify completely. Write the answer with positive exponents.

$$(4x^{(-5)}y^{(7)})(4x^{(2)}y^{(-4)}) =$$

7. (1 pts)

Simplify and write the answer with positive exponents only.

$$((10x^{2})(6x^{14}))/(5x^{4})$$

8. (1 pts)

Simplify and write the answer with positive exponents only.

$$((6x^4)^(-2))/(10x^(2)) =$$

9. (1 pts)

Simplify and write the answer with positive exponents only.

$$((3x^{5}y^{4})^{(2)})/(3x^{2}y^{2}) =$$

License info at: https://imathas.helpyourmath.com/course/showlicense.php?id=605112-607689-607690-607692-607693-607694-607695-607696-607698