

Extra Problems for HW Assignment #1

4. Solve for x $4(x-2y) = xr + yz$

9.
$$\frac{3x^4y^{-2}z^{-4}}{-9x^5y^4z^{-2}}$$

12. $(3x^{2a} + y^{3a-2})^2$ Start with: $(3x + y)^2$ if you have to

13. $(4x^3 - 3y^3) \div (x + y)$

14.
$$\frac{0.063 \cdot 10^{-2}}{0.7 \cdot 10^3}$$

15. Factor completely: $32a^2c - 18b^2c$

17. Factor completely: $16a^4 - 16b^4 + x^4b^4 - x^4a^4$

WP2. Find an odd integer such that 5 less than 3 times the integer is between -15 and 7.

WP3. Julie is $\frac{3}{4}$ Shmoolie's age. Three years ago, Julie was $\frac{1}{2}$ Shmoolie's age 8 years from now. How old was Shmoolie last year?

WP5. You make \$220 a week plus 5% commission. After 3 weeks, you bring home \$765. How much did you sell to make this?

WP7. You have 14 coins totalling \$1.15. You have 3 more nickels than dimes. How many quarters do you have?

WP8. Your jacket cost you \$220.50 after 5% tax. What was the original price?