pg. 98 Writing Linear Equations in Standard Form EQ: How do we write and solve equations in standard form? Questions **Notes** What is Standard Form: form? Ax + By = CHow do Use Standard Form to: • Find y-intercept (x = 0) • Find x-intercept (y = 0) Graph using x and y intercepts intercepts Ex. 1 9x + 16y = 72x- int: u-int: 9x+16(0)=72 9(0)+164=72 9x+0=72 0+16y=72 9x=12

X= 8

Writing Standard Form Equations: *Remember: The words "per" and "each" tell you to multiply. Ex. 2 At the store, a bag of candy costs \$6 and a bag of seeds costs \$5, and you want to spend exactly \$61 at the store. Write an equation in standard form modeling the situation. (X=# of candy \$ 6 per candy bag \$5 per seed bag (y=# of seed bags) Total \$6 You buy 6 bags of candy, how many bags of seeds can you buy?