Solutions to WS 18.1 - Applications of Percents, #1-8 all

1) Josh earns a weekly salary of \$300 plus a 6% commission on sales. Last week, his sales totaled \$13500. What was his total pay? his sales totaled \$13500. What was his total pay?

- 300 + 6% of 3500 = total pay $\frac{x}{3500} = \frac{6}{100} = \frac{100x}{2100} = \frac{300}{510}$ Fay was \$100 + 6% of 3500 = total pay $\frac{x}{3500} = \frac{6}{100} = \frac{100x}{2100} = \frac{2100}{510}$

2) In a state with a sales tax rate of 7%, Hernando buys a radio for \$59.99 and a cD for \$13.99. How much is the sales for? $\frac{\chi}{100} = \frac{7}{100} = 517.86$; sales fox . 59.99 + 13.99 = 73.98 total - Find 7% if 73.98 #3.95 100 $\chi = 5.19$ is \$5.18

3 Last year, Janell earned \$33,045. From this amount, \$7,446.38 was withheld for taxes. What purent of her income was withheld, to the marest tenth of a percent? $\frac{22.5}{100}$ withheld for tower.

1 Chuck works as a salesperson at an electronics store. If he earns \$29.94 from a 6% Commission on the sale of a video camera, what is the price of the camera? - 29.94 is 6% of what number? $\frac{29.94}{x} = \frac{6}{100}$ 6x = 29.94 . The price of the camera is \$494

1 Marta earns a weekly salary of \$110 plus a 6.5% commission on sales at a hobby Store. How much would she make in a week if she sold \$4300 north of merchandise?

- Find 6.5% of 4300. $\frac{x}{4300} = \frac{6.5}{100} = 279.50$ 279.50 F commission ... She would make \$389.50 F total

make \$389.50)

1 The soles tax role in Lisa's town is 5.75%. If she purchases 4 chairs for \$ 124.99 each and an area rus for \$1659.99, how much sale tax does she owe! 4 chairs at \$124.99 each = \$499.96 Find 5.75% of 1159.95 l areing at \$ 659.99 = \$ 659.99 1159.95 100 100x = 6669.71 Total sport before tax = \$1,159.95

x = 66.70: Lisa owes \$66.70 in sales tax.)

(Solutions to WS 3.6 - Applications of Percents, #1-8 all)

For typically earns \$1435 each week, of which \$78.30 is withheld for toxes.

What percent of Jan's earnings are withheld each week?

78.30 is what percent of 435? $\frac{78.30}{435} = \frac{x}{100}$ 435 x = 7830 withheld each week.

B Heather works in a clothes shop where she earns a commission of 5% and no weekly salary. What will Heather's weekly sales have to be for her to earn \$375?

- 375 is 5% of what number? $\frac{375}{x} = \frac{5}{100}$ 5x = 37500

: Heather's weekly sales will have to be \$7500.)