|
$$(4x-3y)=-22 + (4x-5y)=-8$$
 | $(4x-5y)=-12 - 1$ | $(4x-5y)=-12 -$

4) Levi has a job offer in which he will receive \$800 per month plus a commission of 2% of the total price of the cars he sells. At his current job he receives \$1200 per month plus a commission of 1.5% of his total sales. How much must he sell per month to make the new job a better deal?

5) A youth group went on a trip to an amusement park, travelling in two vans. In the first van, there were 2 adults and 5 children and it cost a total of \$77 to enter the park. In the second van, there were 2 adults and 5 children and it cost \$95. Find the adult price and the student price of admission.

VAN 1:
$$2A + 5C = 77$$

VAN 2: $(2A + 7C = 95) - 1$
 $-2A - 7C = 95$
 $1A + 5C = 11$
 $2A + 5C = 11$
 $2A + 5C = 11$
 $2A + 4S = 77$
 $2A + 4S = 77$
 $2A = 10$