## Equation Review Quiz

Zeinab is going to a carnival. Suppose it costs \$10 for her to enter the carnival. Each ride costs \$1.50. She has \$25 to spend at the carnival. What is the greatest number of rides that she can go on?  X = # of rides  (ost:	At most, she can rite
$\frac{-10}{\frac{1.5 \times 4}{1.5}} \stackrel{-10}{\cancel{5}}  \cancel{5}  \cancel{5}$	lo rites.
2. Big Sean is taking an online algebra class. He submitted this work to his professor. Is he correct? If not, tell him how he can correct his mistake.	Distributed incorrectly. 2(m-8) = 2m-16, not 2m-16
2(m-8) < -8 + 3m $2m-40 < -8 + 3m$ $-3m$ $-3m$ $-3m$ $-m-6 < -8$ $+6$ $+6$ $+6$ $-m < -2$ $m > 2$	$\frac{2m-16}{-3m}$ $\frac{-3m}{-m-16}$ $\frac{-3m}{-16}$ $\frac{-16}{-16}$ $\frac{-16}{-16}$ $\frac{-16}{-16}$ $\frac{-16}{-16}$ $\frac{-16}{-16}$
3. $-8 \times 48$ $-8 \times -6$	
	Solution: X >-6
4. $4x-5=2(2x+1)$ $4x-5=2(2x+1)$ $4x-5=4x+2$ $4x-5=4x+2$ $4x-4x$ $4x-5=4x+2$ $4x-4x$	
	Solution: No Solution

Justin Bieber called me yesterday to help him with some math. He solved the equation $x - (4-x) = 0$ like this. What should I tell him so he gets the correct solution? $ X - (4-x) = 0 $ $ X - 4 + x = 0 $ No Solution	Should be "plus X".  The 2 regatives turn to a positive only. $X-4+x=0$ $2x-4=0$ $4$ $2x=4$ $2x=4$ $2x=4$
6.  A family buys airline tickets online. Each ticket costs \$205.00. The family buys travel insurance with each ticket the costs \$25 per ticket. The web site charges a fee \$20 for the entire purchase. The family is charged a total of \$1170.00. How many tickets did the family buy? $X = \#                                  $	The family bought 5 tickets.  Solution:
7. $b + 4b = -90$ $5b = -90$ $5 = -18$	Solution: $b = -18$

