## Beverly Hills High School -- Algebra A -- Quiz \#4 -- Chapter 2 -- 50 points

1) Solve this proportion:

$$
\frac{35}{x}=\frac{455}{52}
$$

3) Convert $37.5 \mathrm{~L} / \mathrm{sec}$ to gallons $/ \mathrm{hr}$.
4) 546 is $65 \%$ of what?
5) What are the odds of rolling a total of five on one roll of two six-sided dice?
6) You buy THREE pair of jeans. They are normally $\$ 32$ each, but you get a 15\% discount when you buy three. When you get to the register, they charge $9.5 \%$ tax? What is your total cost out the door?
7) The new 2016 Tesla normally sells for $\$ 88,500$. The dealer will give you a $15.5 \%$ discount. What is the sale price?
8) The sophomore class is taking a trip to Magic Mtn. They receive a special deal where for every 7 tickets they purchased they received one free one. If seven tickets cost $\$ 192.50$, and they spent a total of $\$ 8085$, how many tickets did they receive?
9) The price of silver bullion rose from $\$ 4.50$ per ounce to $\$ 51.00$ per ounce in 1980. What was the percentage increase in the price of silver?
10) Solve this proportion:

$$
\frac{2 t-1}{3}=\frac{t+2}{2}
$$

10) What was the main point of the dice-throwing lab?
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$\qquad$
