1. $\boxed{.45, \frac{9}{20}, 45\%}$

2. $\boxed{7225}$

3. $\boxed{\text{Jae}}$

4. Let x be the price of renting a car for two days 5 years ago. The cost has increased by $20\% \times x = .2x$, so the new price the old price plus the increase, or $x + .2x = 1.2x$. Let's set up an equation:
$$1.2x = \$264$$
This equation means *new price* = *new price*, so it makes sense. Now we solve by making the decimal into a fraction:
$$\frac{12}{10}x = \$264$$
Now we multiply both sides by the inverse the fraction, $\frac{10}{12}$, which gives us $x = \frac{10}{12} \cdot 264 = \boxed{\$220}$

5. On Jan 1, 2006, the value of the vase goes up by 15% once. 15% of \$156,000 is $.15 \times 156,000 = \$23,400$, so the new value is *old value* + *increase* $= 156,000 + 23,400 = \$179,400$.
On Jan 1, 2007, the value of the vase goes up by 15% again. So 15% of \$179,400 is $.15 \times 179,400 = 26,910$, and the new value is $179,400 + 26,910 = \boxed{\$206{,}310}$

6. 20% goes to rent, which is $.20 \times 1850 = \$370$. So he spends $\$370 + \$690 + \$940 = \$2000$. So he overspends by $\$2000 - \$1850 = \$150$. The percentage of overspending is $\frac{\$150}{\$1850} = .\overline{081} = \boxed{8.1\%}$

7. Let x be the man's income. We know that 128% of x is his income plus \$756, so we write the equation $1.28x = x + 756$. Now we solve for x. Subtract x from both sides: $.28x = 756$, divide both sides by 0.28: $x = \frac{756}{.28} = \boxed{\$2{,}700}$

8. $.12 \times 330 = \$39.60$, and $3.30 \times 12 = \$39.60$. The values are the $\boxed{\text{same}}$.

9. Let x be Ankur's allowance. If it's raised by 30%, so his new allowance is $1.3x$. Then it's raised by 20%, so the new allowance is $1.2(1.3x) = 1.56x$. Now consider the other way. Raise it by 20%, so we have $1.2x$. Now raise it by 30%, so we have $1.3(1.2x) = 1.56x$. So if Ankur's goal is to get the most money in the long run, it doesn't matter which he get's first, so both choices are the $\boxed{\text{same}}$.

10. (a) $\boxed{\$1944}$
(b) Let x be Mitchell's salary after the increase. It was increased by 8%, so there was an increase of $8\% \times x = .08x$. Now his income is $x + .08x = 1.08x$. Write the equation $1.08x = 1728$, and solve for x by dividing by 1.08 on both sides. $x = 1728 \div 1.08 = \boxed{\$1600}$