Name _____ Period ____ Date _____

Review of The Big five

use original equations. Include units in your work and .. answers.

1. It takes Adam 3 seconds to accelerate from $4\frac{m}{s}$ to $10\frac{m}{s}$. What is his acc? _____

2. Betty is driving at $5\frac{m}{s}$ and acc at $2.5\frac{m}{s^2}$ for 8 seconds. What is V_f? _____

3. Carl is biking at $4\frac{m}{s}$ and after 12 seconds he is going $16\frac{m}{s}$. How far did he go during this time? _____

4. Deb starts from rest and acc at $3.7 \frac{m}{s^2}$ for 5 seconds. What distance did she go in this 5 seconds? _____

5. Eric throws keys down from his balcony at $-9 \frac{m}{s}$. It takes 2 seconds for them to hit the ground. How tall is the balcony? _____

6. a rock slips off of a cliff from a height of 40m. What is V_f right before it hits? _____

7. Fanny has an initial velocity of $\frac{2M}{S}$ and accelerates at $3.4\frac{M}{S^2}$ for 25m.

what is V_f? _____

8. convert

$6.2m =$ _____ cm

$314cm =$ _____ in

$71m =$ _____ in

$\frac{14ft}{S} =$ _____ $\frac{cm}{S}$

$\frac{100yd}{min} =$ _____ $\frac{M}{S}$