Name:
Class: $\qquad$
HW- Solving Systems by Elimination (Day 2) Date: $\qquad$

Solve by elimination. Show your work.

1. $\left\{\begin{array}{l}6 x+3 y=27 \\ -4 x+7 y=27\end{array}\right.$
2. $\left\{\begin{array}{l}4 x+5 y=3 \\ 3 x-2 y=8\end{array}\right.$
3. $\left\{\begin{array}{l}4 x-3 y=11 \\ 3 x-5 y=-11\end{array}\right.$
4. $\left\{\begin{array}{l}5 x+8 y=40 \\ 3 x-10 y=-13\end{array}\right.$

Use a system of equations to model each situation. Solve by any method.
5. The sum of two numbers is 30 . The sum of the greater number and three times the lesser number is 54 . Find the numbers.
6. Shopping at Savers Mart, Lisa buys her children four shirts and three pairs of pants for $\$ 85.50$. She returns the next day and buys three shirts and five pairs of pants for $\$ 115.00$. What is the price of each shirt and each pair of pants?
7. An amusement park charges admission plus a fee for each ride. Admission plus two rides costs $\$ 10$. Admission plus five rides cost $\$ 16$. What is the charge for admission and the cost of a ride?

