Algebra 1	Bellwork	Tuesday, January 13, 2015
Solve each system of equations.		Give your answer as an ordered pair.
1.		2.
4x - 3y = -15		4a - 6b = -74
y = 5x - 6		-7a + 15b = 179

3. 4.3g + 1.8h = 28.32.9g - 5.4h = 25.7

4. David and his brother went to the sotre to buy some hats and t-shirts. David bought 3 hats and 4 t-shirts and spent \$114. His brother bought 4 hats and 5 t-shirts and spent \$147. Write and solve a system of equations to find the cost of a hat and the cost of a t-shirt.

Tuesday, January 13, 2015 Algebra 1 Bellwork Solve each system of equations. Give your answer as an ordered pair. -2,11  $\begin{array}{c} (3, 9) \\ 2(-7a+15b=179) \end{array} \begin{array}{c} 20a - 30b = -370 \\ -14a + 30b = 358 \end{array}$ 1. 1.4x - 3y = -15y = 5x - 6 $4x - 3(5x - 6) = -15 \qquad y = 5(3) - 6$   $4x - 15x + 18 = -15 \qquad = 15 - 6$   $-1/x = -33 \implies x = 3 \qquad = 9$ 6a = -12 -2 -> -7(-2) +15b=17 14+156 =179 -14 -14 3.  $10(4.3g+1.8h=28.3) \rightarrow 3(43g+18h=283)$  129g+54h=849  $10(2.9g-5.4h=25.7) \rightarrow 29g-54h=257 + 29g-54h=257$ 155 = 16Tb = 11158q = 1106g = 7 - 4.3(7) + 1.8h = 28.330.1 + 1.8h = 28.3 1.8h= 4. David and his brother went to the sotre to buy some hats and t-shirts. David bought 3 hats and 4 -h = t-shirts and spent \$114. His brother bought 4 hats and 5 t-shirts and spent \$147. Write and solve a Hars -> \$18 each system of equations to find the cost of a hat and the cost of a t-shirt. 12H +16T= 456 H=#hats 4(3H + 4T = 114)T-shirsts > \$15 each T=#E-shirts 3(4H+5T=147) - 12H+15T=441 -> 3H + Y(15) = 114 7 H=