Algebra 1 Bellwork Monday, January 12, 2015

Solve each system of equations using Elimination. Give your answer as an ordered pair.

1.	Ζ.
4x - 5y = 64	6c + 14d = 82
3x - 5y = 58	-6c - 7d = -68

3. 9m - 8n = -710m + 2n = -35

4. 12P + 5Q = 578P + 7Q = -17



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1. 2. 6c + 14d = 824x - 5y = 64(le,-8) 6C + 14(2) = FL+ -6c - 7d = -68-3x - 5y = 586c + 2f = 52-2f - 2f6c = 54=6 72=14 3(6) - 5y = 58C=q18-57=58 -57=40 y=-8 3. 4 2(12P + 5Q = 57) $Z4P + 10\varphi = 114$ 9m - 8n = -7- 24P +210 = -51 3(8P+7Q=-17)4(10m + 2n = -35) $-1/q = 165^{-1}$ $q = -15^{-1}$ 9m - 8n = -7(11,-15) + 40m + 8n = -14049m = -147(-3,-2.5) 8P+7(-15) = -17M = -31 8P - 105 = -17 +105 +105 10(-3) + 2n = -3521==5 8P=58 P=11 +30