Rules for Standard Form

① Must be in the form $Ax + By - C = 0$ where A and B are not both zero.

② A, B, C must be integers.

③ A, B, C must not have any factors common to all.

④ Standard form must not begin with a negative sign.

#	Standard Form	A	B	C
a	$3x+8y=0$			
b	$5x-8y+2=0$			
c	$x-y-7=0$			
d	$3y-5=0$			

Determine which of the following examples is in standard form. Beside each of the examples, place a check mark (✓) if the equation is in standard form. If it is not, then give the number(s) of the above rule(s) which has(have) been broken.

a) $4x+2y-3$ _____ b) $4x+5y+6=0$ _____ c) $9x-6y+4=0$ _____

d) $3y+7x-2=0$ _____ e) $2.3x+0.7y+1=0$ _____ f) $5x-5y-5=0$ _____

g) $y=-7$ _____ h) $-4x+3y+9=0$ _____ i) $\frac{2}{3}x+4y=0$ _____

j) $-3y=8$ _____ k) $3x=11$ _____ l) $8=2y$ _____

m) $x-y=0$ _____ n) $12x-16y+8=0$ _____ p) $x=-4$ _____

© YRDSB