$d = 8.5 - .5t$

$d = 2.5 + .75t$

$-2.5 \quad -2.5$

$8.5 - .5t = 2.5 + .75t$

$+.5t \quad +.5t$

$6 = 1.25t$

$\frac{6}{1.25} = \frac{1.25t}{1.25}$

$4.8 = t$

$d = 8.5 - .5(4.8)$

$d = 8.5 - 2.5$

$d = 6$

Elimination Method

$$f+s=163$$
$$+\ f-s=33$$

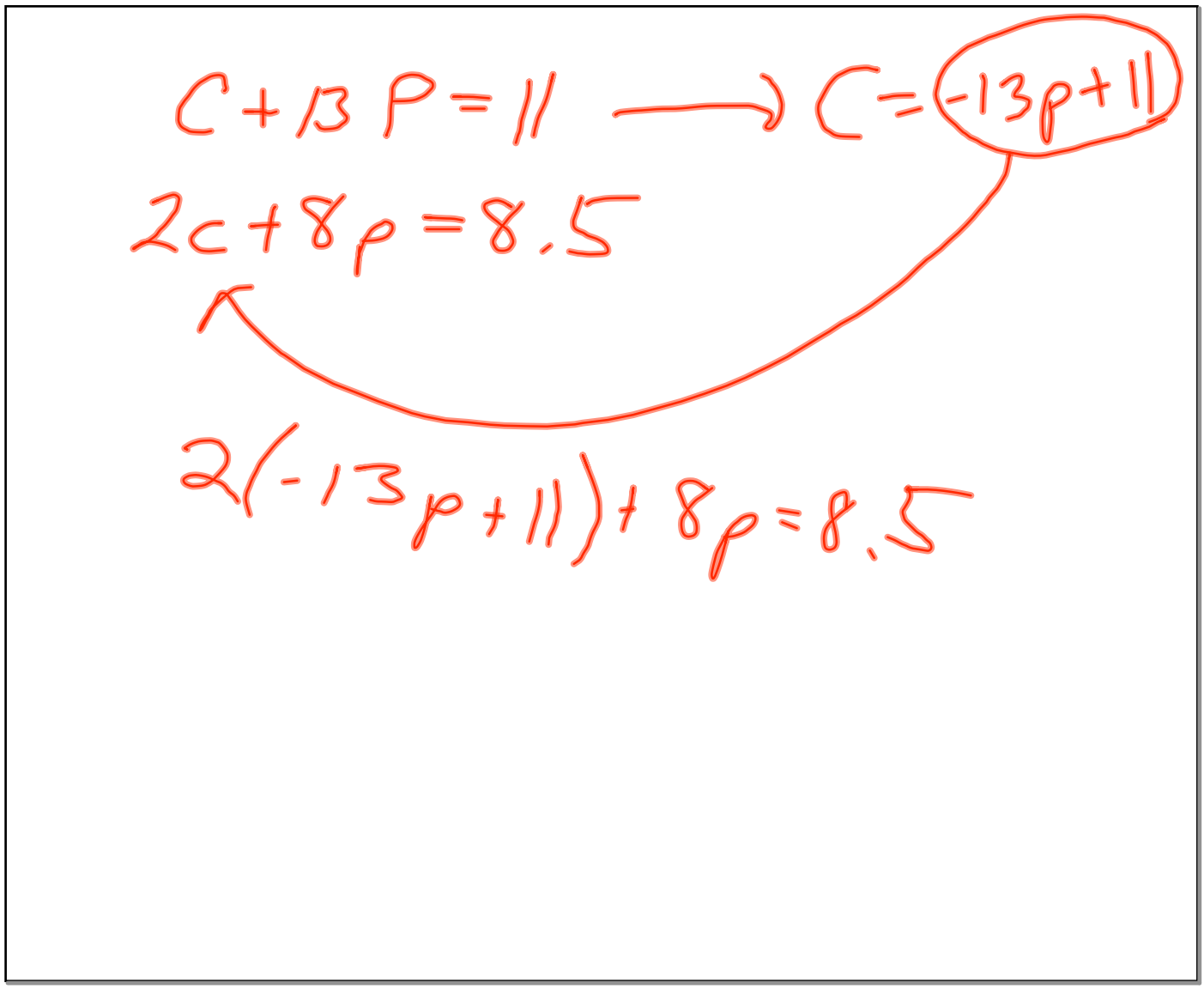
$$\frac{2f}{2}=\frac{196}{2}$$

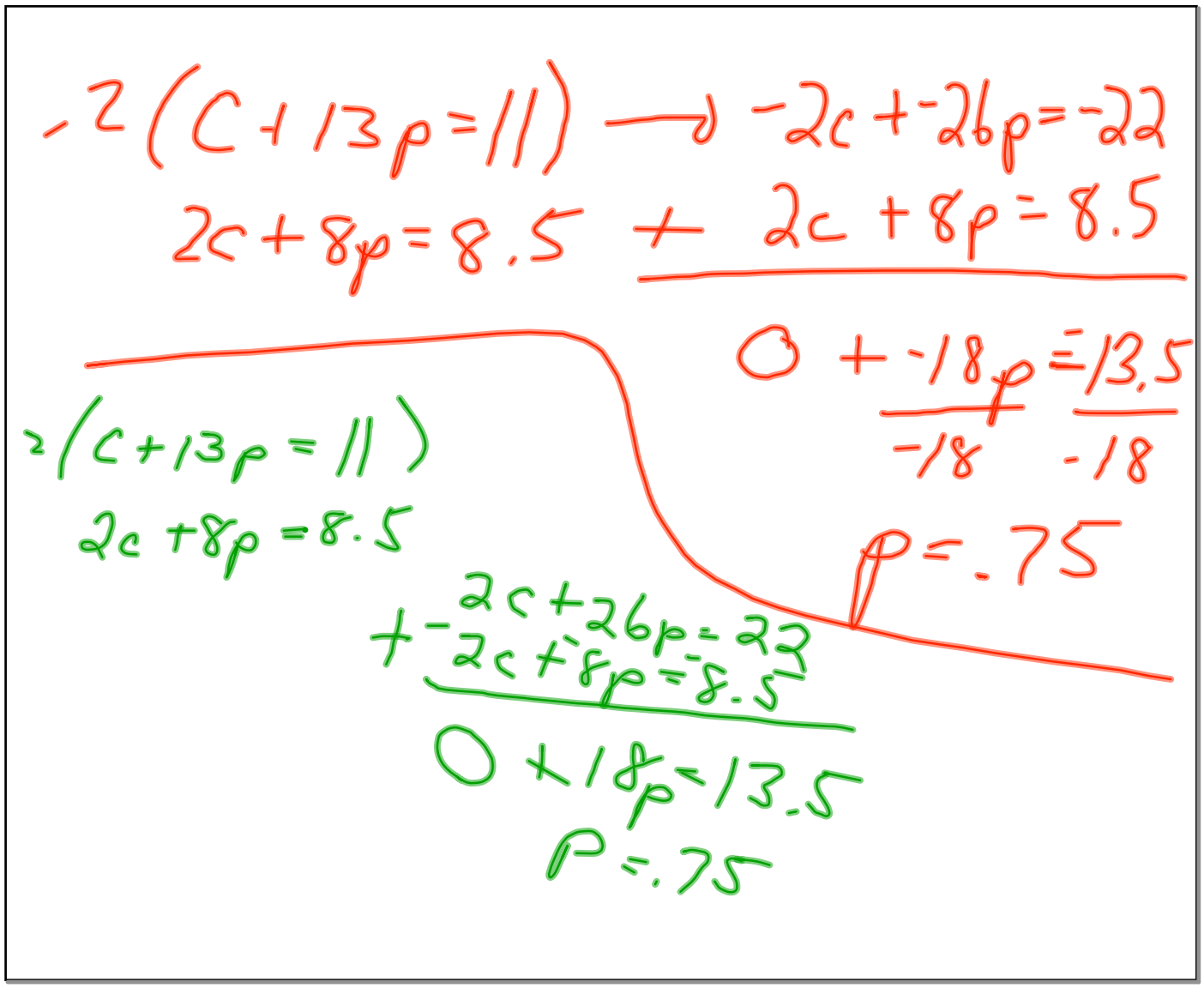
$$f=98$$

$$s=65$$

$f-s=33$

$94+s=163$


C + 13 P = 11
C = -13p + 11
2c + 8p = 8.5
2(-13p + 11) + 8p = 8.5


-2(C+13P=11) → -2C+-26P=-22
2C+8P=8.5 + 2C+8P=8.5
0 + -18P = 13.5
-18 -18
P=.75
2(C+13P=11)
2C+8P=8.5
+ -2C+-26P=-22
2C+8P=8.5
0+18P=13.5
P=.75

$7(2a + 10b = 1234)$

$2(7a + 4b = 1405)$

$14a + 70b = 8638$

$-\ 14a + 8b = 2810$

$0 \quad \frac{62b}{62} = \frac{5828}{62}$

$b = 94$

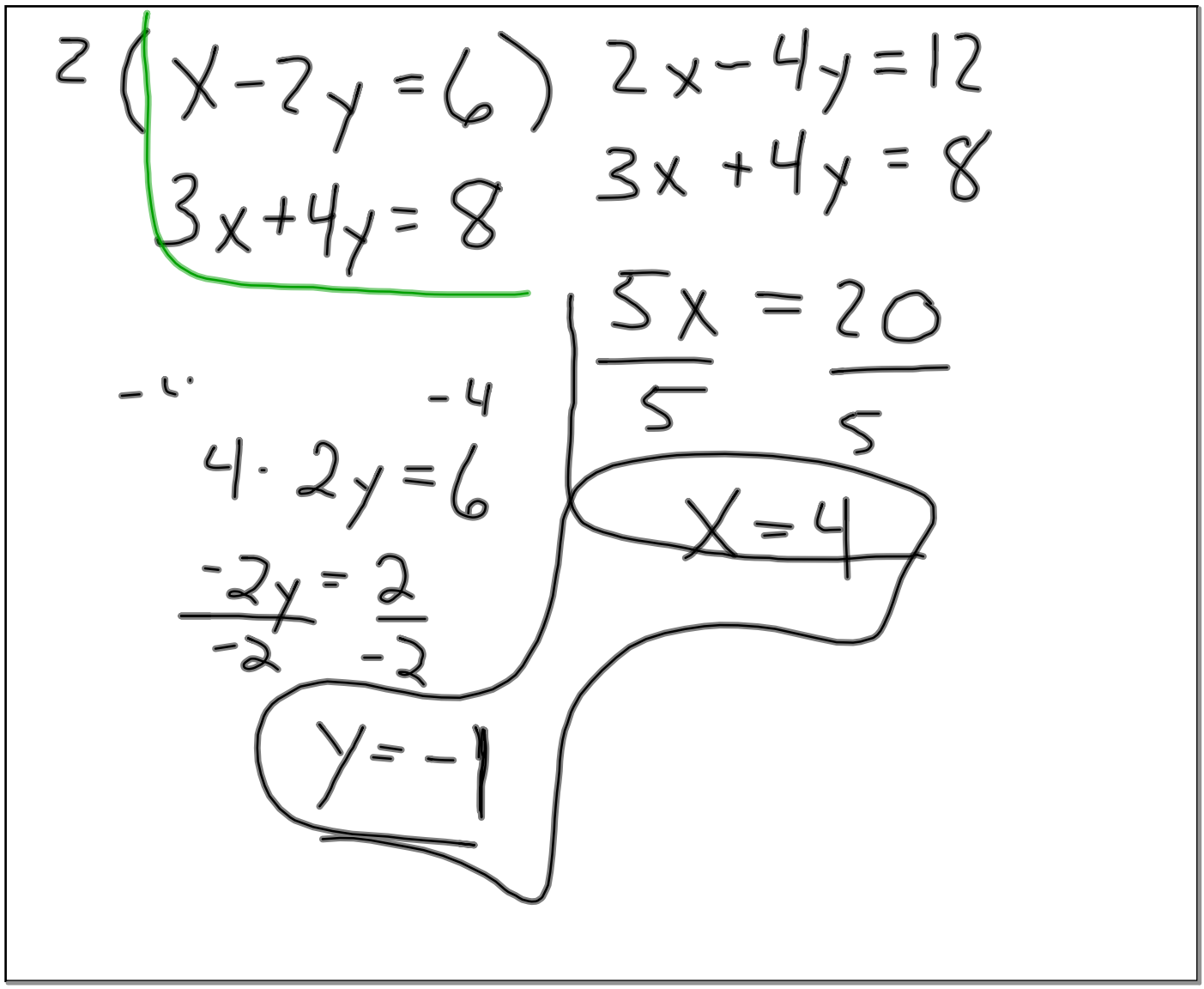
$a = 147$

$2a + 10(94) = 1234$

$2a + 940 = 1234$

$-940 \quad -940$

$\frac{2a}{2} = \frac{294}{2}$


2(x-2y=6)
2x-4y=12
3x+4y=8
3x+4y=8
5x=20
5 5
x=4
-4 -4
4·2y=6
-2y=2
-2 -2
y=-1

$3\left|\begin{array}{l} x-2y=6 \\ 3x+4y=8 \end{array}\right.$

$3x-6y=18$

$-\ 3x+4y=8$

$0+-10y=10$

$-10 \quad -10$

$-y=-1$

1) $6x+5y=-20$
$-6x-10y=25$

2) $5x-4y=23$
$7x+8y=5$

3) $2x-5y=12$
$6x-15y=36$

4) $3x+7y=-8$
$5x+8y=-6$

5) $2x+y=10$
$5x-y=18$

6) $3x+5y=4$
$3x+7y=2$

7) $2x+9y=-15$
$5x+9y=-24$