143X+193Y=189

93X+141Y=45

Solution:

We should express X from the first equation:

X=$\frac{189}{143}-\frac{193Y}{143}$

Put this X-value to the second equation:

$$93*\left(\frac{189}{143}-\frac{193Y}{143}\right)+141Y=45$$

Divide by 93

$$\left(\frac{189}{143}-\frac{193Y}{143}\right)+\frac{141Y}{93}=\frac{45}{93}$$

Multiply by 143*93:

17577-17949Y+20163Y=6435

Collect similar terms:

2214Y=-11142

and find

Y=$-\frac{11142}{2214}=-\frac{619}{123}\approx$ --5.0

X=$\frac{189}{143}-\frac{193Y}{143}=\frac{998}{123}\approx$ 8.1