$-3x+2y=-6$

$5x-2y=18$

$-3x+2\left(\frac{5}{2}x-9\right)=-6$

$-3x+5x-18=-6$

$2x-18=-6$

$+18 \quad +18$

$\frac{2x}{2}=\frac{12}{2}$

$x=6$

$5x-2y=18$

$-5x \quad -5x$

$\frac{-2y}{-2}=\frac{-5x}{-2}+\frac{18}{-2}$

$y=\frac{5}{2}x-9$

$y=\frac{5}{2}(6)-9$

$y=15-9$

$y=6$

$(6,6)$

$-3x+2y=-6$

$-3(6)+2(6)=-6$

$-18+12=-6$

$-6=-6$ ✓

$5x-2y=18$

$5(6)-2(6)=18$

$30-12=18$

$18=18$ ✓

$y=2x+3$

$2x-3y=4$

$2x-3(2x+3)=4$

$2x-6x-9=4$

$-4x-9=4$

$+9 \quad +9$

$\frac{-4x}{-4}=\frac{13}{-4}$

$x=-13/4$

$y=2(-13/4)+3$

$y=-13/2+3$

$y=-7/2$

$(-13/4, -7/2)$

$-3x+2y=-6$

$5x-2y=18$

$\frac{2x}{2} = \frac{12}{2}$

$x=6$

$5(6)-2y=18$

$30-2y=18$

$-30 \quad -30$

$\frac{-2y}{-2} = \frac{-12}{-2}$

$y=6$

$(6,6)$

$-3(6)+2(6)=-6$

$-18+12=-6$

$-6=-6$ ✓

$5(6)-2(6)=18$

$30-12=18$

$18=18$ ✓

$-5x+7y=11$

$+5x+3y=-19$

$\frac{4y}{4} = \frac{-8}{4}$

$y=-2$

$-5x+7(-2)=11$

$-5x-14=11$

$+14 \quad +14$

$\frac{-5x}{-5} = \frac{25}{-5}$

$x=5$

$(-5,-2)$

$-5(-5)+7(-2)=11$

$25-14=11$

$11=11$ ✓

$-5(-5)+3(-2)=19$

$25-6=19$

$19=19$ ✓

$(2x - 5y = 10)\,4 \rightarrow 8x - 20y = 40$

$(-3x + 4y = -15)\,5 \rightarrow -15x + 20y = -75$

$$\frac{-7x}{-7} = \frac{-35}{-7}$$

$$x = 5$$

$2(5) - 5y = 10$

$10 - 5y = 10$

$-10 \quad -10$

$-5y = 0$

$\frac{-5y}{-5} = \frac{0}{-5}$

$y = 0$

$(5, 0)$

$2x - 5y = 10$

$2(5) - 5(0) = 10$

$10 - 0 = 10$

$10 = 10$ ✓

$-3x + 4y = -15$

$-3(5) + 4(0) = -15$

$-15 + 0 = -15$

$-15 = -15$ ✓