Solving: *Linear Equations ax + b = c*

Solve the equation.

1. $3x+4=-11$
2. $2(m+3)=4m-4-7m$
3. $4x+5=2x+13$
4. $\frac{1}{2}x+3=x+\frac{3}{4}$
5. $6y-2=16$
6. $-3x+7=-2x+16$
7. $\frac{1}{3}p+\frac{1}{2}=\frac{2}{3}$
8. $-4x+3-6x=-17$
9. $-7a+4=-3$
10. $2(x+3)=2x+4$
11. $-3(2x-5)=-3x+15$
12. $4(n-3)=5n-12-n$

ANSWERS:

1. $x=-5$
2. $m=-2$
3. $x=4$
4. $x=4\frac{1}{2}$
5. $y=3$
6. $x=-9$
7. $p=\frac{1}{2}$
8. $x=2$
9. $a=1$
10. No solution since $6\neq 4$
11. $x=0$
12. All Real numbers since $0=0$