## Solving by Completing the Square

Solve each equation by first completing the square and then using the equal squares method. Show your work. One problem is impossible. (The solutions are not necessarily integers.)

1. $x^{2}+4 x=5$
2. $x^{2}+6 x=16$
3. $x^{2}+10 x=-24$
4. $x^{2}+8 x+20=8$
5. $x^{2}+4 x+9=2$
6. $4 x^{2}+8 x-5=0$
7. $2 x^{2}+6 x=2-6 x$
8. $x^{2}+12 x+26=-3$
