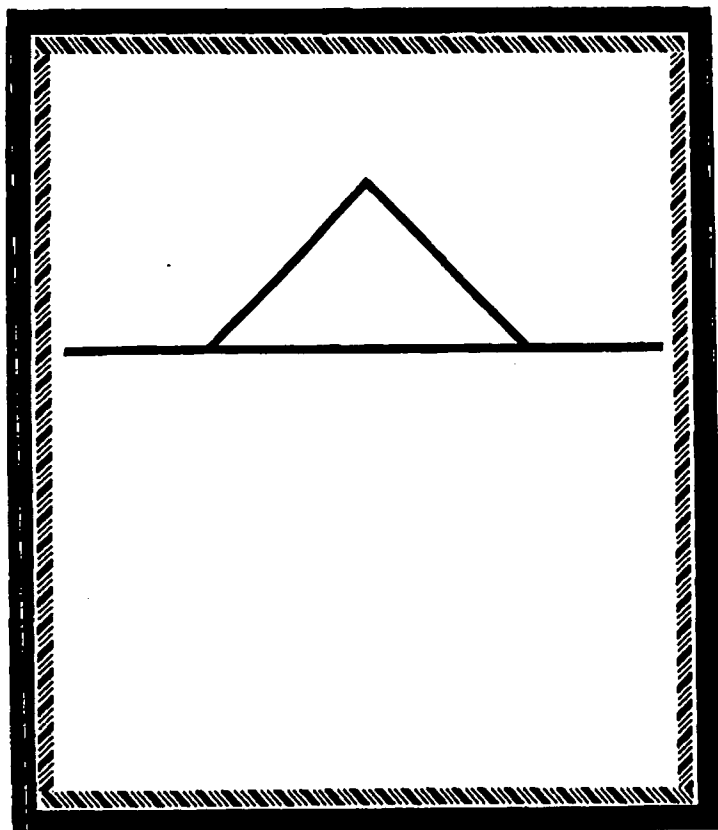


Completing the Square

What Is the Title of This Picture?

Solve each equation below by completing the square. Find the solution set in the answer list and notice the letter next to it. Each time the exercise number appears in the code, write this letter above it. Keep working and you will decode the title of the picture.



- ① $x^2 + 6x = 16$
- ② $a^2 + 10a = -21$
- ③ $x^2 - 8x = 33$
- ④ $n^2 - 4n = 11$
- ⑤ $b^2 + 20b = -80$
- ⑥ $x^2 - 12x = 39$
- ⑦ $m^2 - 6m - 1 = 0$
- ⑧ $t^2 - 8t - 20 = 0$
- ⑨ $x^2 + 12x + 18 = 0$
- ⑩ $y^2 + 2y - 80 = 0$
- ⑪ $x^2 - 10x - 7 = 3$
- ⑫ $k^2 + 16k + 60 = 5$
- ⑬ $x^2 - 24x + 70 = -30$
- ⑭ $y^2 + 30y - 75 = 100$

CODED TITLE:

11 12 3 14 4 12 7 13 13 8 2 13

5 10 13 8 1 5 14 2 12 6 14 13 12 1 9

ⓑ $\{5 \pm \sqrt{35}\}$	Ⓡ $\{2, -8\}$	Ⓦ $\{6 \pm 5\sqrt{3}\}$
ⓒ $\{2 \pm \sqrt{15}\}$	ⓕ $\{8, -10\}$	Ⓞ $\{-5, -11\}$
Ⓢ $\{5, -35\}$	Ⓨ $\{11, -3\}$	ⓐ $\{-10 \pm 2\sqrt{5}\}$
Ⓝ $\{-3, -7\}$	ⓔ $\{10, -2\}$	Ⓛ $\{5 \pm 3\sqrt{10}\}$
Ⓤ $\{3 \pm \sqrt{10}\}$	Ⓣ $\{12 \pm 2\sqrt{11}\}$	Ⓜ $\{-6 \pm 3\sqrt{2}\}$