

Name _____

Period _____

What did the paper say to the scissors?



Solve by completing the square. Some answers appear more than once.

L. $x^2 + 16x - 36 = 0$	I. $x^2 + 6x - 7 = 0$	R. $x^2 + 6x - 2 = 0$
A. $x^2 + 4x - 6 = 0$	Y. $x^2 + 2x - 5 = 0$	G. $x^2 + 6x + 2 = 0$
U. $x^2 + 6x + 1 = 0$	E. $x^2 + 10x - 24 = 0$	S. $x^2 + 2x - 7 = 0$
N. $x^2 + 8x - 4 = 0$	K. $x^2 - 4x - 8 = 0$	O. $x^2 - 2x - 35 = 0$
P. $x^2 - 2x - 2 = 0$	O. $x^2 + 5x - 50 = 0$	H. $x^2 - 4x - 12 = 0$

$$\frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad}$$

$$-1 \pm \sqrt{6} \quad -5, 7 \quad -3 \pm 2\sqrt{2} \quad -3 \pm \sqrt{11} \quad -12, 2$$

$$\frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad}$$

$$-18, 2 \quad -10, 5 \quad -5, 7 \quad 2 \pm 2\sqrt{3} \quad -7, 1 \quad -4 \pm 2\sqrt{5} \quad -3 \pm \sqrt{7}$$

$$\frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad} \quad \frac{\quad}{\quad}$$

$$-1 \pm 2\sqrt{2} \quad -2, 6 \quad -2 \pm \sqrt{10} \quad -3 \pm \sqrt{11} \quad 1 \pm \sqrt{3}$$