Debate: Which of these methods for solving $x^2 - 10x - 4 = 20$ is the best? Take turns going around the group. Each person states which method you think is best and why (no comments.) Then go around a second time (you may revise your original) and questions are welcome. Be ready to share with the class.

Method 1:
$$x^2 - 10x - 4 = 20$$

$$\chi^2 - 10x - 4 = 20 \qquad -10 = -5$$

$$\chi^2 - 10x - 4 + 29 = 20 + 29 \qquad (-5)^2 = 25$$

$$\chi^2 - 10x + 25 = 49$$

$$(x - 5)(x - 5) = 49$$

$$(x - 5)^2 = 49$$

$$(x - 5)^2$$

Method 3:
$$x^2 - 10x - 4 = 20$$

$$\begin{array}{c}
X^2 - 10x - 20 = 4 \\
-4 - 4
\end{array}$$

$$X = +10 = 10x - 24$$

$$X = 5 = 100 + 96$$

$$X = 5 = 14$$

$$X = 5 = 14$$

