

Answer on Question #47689 – Math - Algebra

(1 pt) For a certain county, the percentage, P , of voters who used electronic voting systems, such as optical scans, in national elections can be modeled by the formula

$$P = 2.9x + 24.3,$$

where x is the number of years after 2000. In which years will more than 41.7% of the county's voters use electronic systems?

Note: Enter your answer as, Voting years after yyyy -- do not put a period at the end of the phrase.

Solution.

$$p \geq 41.7 \rightarrow 2.9x + 24.3 \geq 41.7 \rightarrow 2.9x \geq 17.4 \rightarrow x \geq 6.$$

Voting years after 2006