1. soru

A.
$$V = \lambda$$
. V

$$A = \begin{bmatrix} 5 & 2 & -1 \\ 5 & 2 & -1 \\ -2 & 2 & 2 \end{bmatrix}$$

$$A \cdot V = 0$$

$$(A - \lambda I) \cdot V = 0$$

$$A - \lambda I = \begin{bmatrix} 5 & 2 & -1 \\ 5 & 2 & -1 \\ -2 & 2 & 2 \end{bmatrix}$$

$$(A - \lambda I) \cdot V = 0$$

$$A - \lambda I = 0$$

2. soru

$$f'(c) = \frac{f(b) - f(a)}{b - a} \qquad \frac{1}{4} < 2 - 53 < \frac{1}{255}$$

$$f'(2 - \sqrt{3}) = \frac{f(\frac{1}{253}) - f(\frac{1}{4})}{\frac{1}{213} - \frac{1}{4}}$$

3. soru

$$\frac{5000 \times +5}{y} = \frac{91}{500} \times +5 = \frac{105}{500}$$

$$\frac{500 \times +3500 = 105 + 630}{500 \times \pm 91 y}$$

$$\frac{1870 = 14y}{133,57 = y}$$

$$y \to 184 \quad y \to 133$$