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$$\begin{bmatrix} 12 & 3 & 24 \\ 5 & 350 & 1 \\ \text{MPa} & & \end{bmatrix} = \sigma$$
  
e T. On each of the coordinate planes (with normal in the  $e_1, e_2, e_3$  directions), (a) what is the normal

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The continuum theory regards matter as indefinitely divisible. Thus, within this theory, one accepts the idea of an infinitesimal volume of materials, referred to as a particle in the continuum, and in every neighborhood of a particle there are always neighboring particles.

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the  $\sigma_{ij}$  is a  $2 \times 2$  matrix of the form  $\begin{bmatrix} \sigma_{11} & \sigma_{12} \\ \sigma_{21} & \sigma_{22} \end{bmatrix}$  ...

CHAPTER 2, PART A  
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