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$$\begin{cases} a_1 + a_2 + a_3 + a_4 + a_5 = 20 \\ a_1 \cdot a_2 \cdot a_3 \cdot a_4 \cdot a_5 = -560 \end{cases}$$

$$5a_1 + 10d = 20 \quad /: 5$$

$$\boxed{a_1 + 2d = 4}$$

הנני מניח כי  $a_3 = 4$  ו-  
הוא הממוצע

$$(4-2d)(4-d) \cdot 4 \cdot (4+d)(4+2d) = -560 \quad /: 4$$

$$(16-4d^2)(16-d^2) = -140$$

$$256 - 80d^2 + 4d^4 = -140$$

$$4t^2 - 80t + 396 = 0 \quad /: 4 \quad t = d^2$$

$$t^2 - 20t + 99 = 0$$

$$t = 11 \rightarrow d = \sqrt{11}$$

$$t = 9 \rightarrow d = 3$$

(אם)