

$dBgain = \underline{\hspace{2cm}}$ .

- A)  $10 \log \frac{E_O}{E_I}$
- B)  $20 \log \frac{E_I}{E_O}$
- C)  $10 \log \frac{E_I}{E_O}$
- D)  $20 \log \frac{E_O}{E_I}$

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$$dBgain = 20 \log \frac{E_O}{E_I}.$$

Answer **D**.