Ejerco decreo pondo
$$\frac{1}{2}$$
.

$$\int_{1}^{1} P_{n}(x) P_{n}(x) dx = \frac{2}{2n+1} dnn$$

$$\int_{1}^{2} P_{n}(x) P_{n}(x) dx = \frac{2}{2n+1} dnn$$

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$$\int_{1}^{2} P_{n}(x) P_{n}(x) P_{n}(x) dx = Cn$$

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