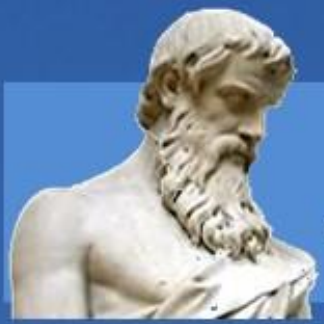

In memory of Justynka, my wife

FORMULAS

'The laws of nature are but the mathematical thoughts of God.'
Euclid

●●●●

FORMULA No.

W25

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We are not mathematicians, but we love mathematics and create formulas ourselves.

'No other science boosts the faith in the strength of the human spirit like mathematics.'
Hugo Steinhaus

1 WEEK = 7 DAYS = 7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D251

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{9 \times k^4 + 51 \times k^3 + 136 \times k^2 + 216 \times k + 144}{(k+2)^2 \times (k+3)^2 \times (3 \times k + 1) \times (3 \times k + 4)} = \frac{2 \times \pi^2 - 15}{12}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D252

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^6 + 22 \times k^5 + 181 \times k^4 + 804 \times k^3 + 2196 \times k^2 + 3024 \times k + 1296}{k^2 \times (k+1)^2 \times (k+5)^2 \times (k+6)^2} = \frac{\pi^2}{6}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D253

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 104 \times k^3 + 385 \times k^2 + 888 \times k + 784}{(k+2)^2 \times (k+3)^2 \times (k+4)^2 \times (4 \times k + 3) \times (4 \times k + 7)} = \frac{6 \times \pi^2 - 59}{18}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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Euclid

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FORMULA No.

D254

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{49 \times k^5 + 259 \times k^4 + 421 \times k^3 + 236 \times k^2 + 160 \times k + 64}{(7 \times k - 6) \times (7 \times k + 1) \times (k + 2)^3 \times (k + 3)^3 \times (k + 4)^3} = \frac{533 - 54 \times \pi^2}{54}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D255

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$$\prod_{k=1}^{k=\infty} \frac{64 \times k^2 \times \left(4 \times k^2 - 1\right)}{\left(16 \times k^2 - 1\right)^2} = \frac{\pi}{4} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D256

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 128 \times k^3 + 419 \times k^2 + 427 \times k + 75}{(k+4) \times (k+5) \times (16 \times k^2 - 9) \times (16 \times k^2 - 1)} = \frac{\pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D257

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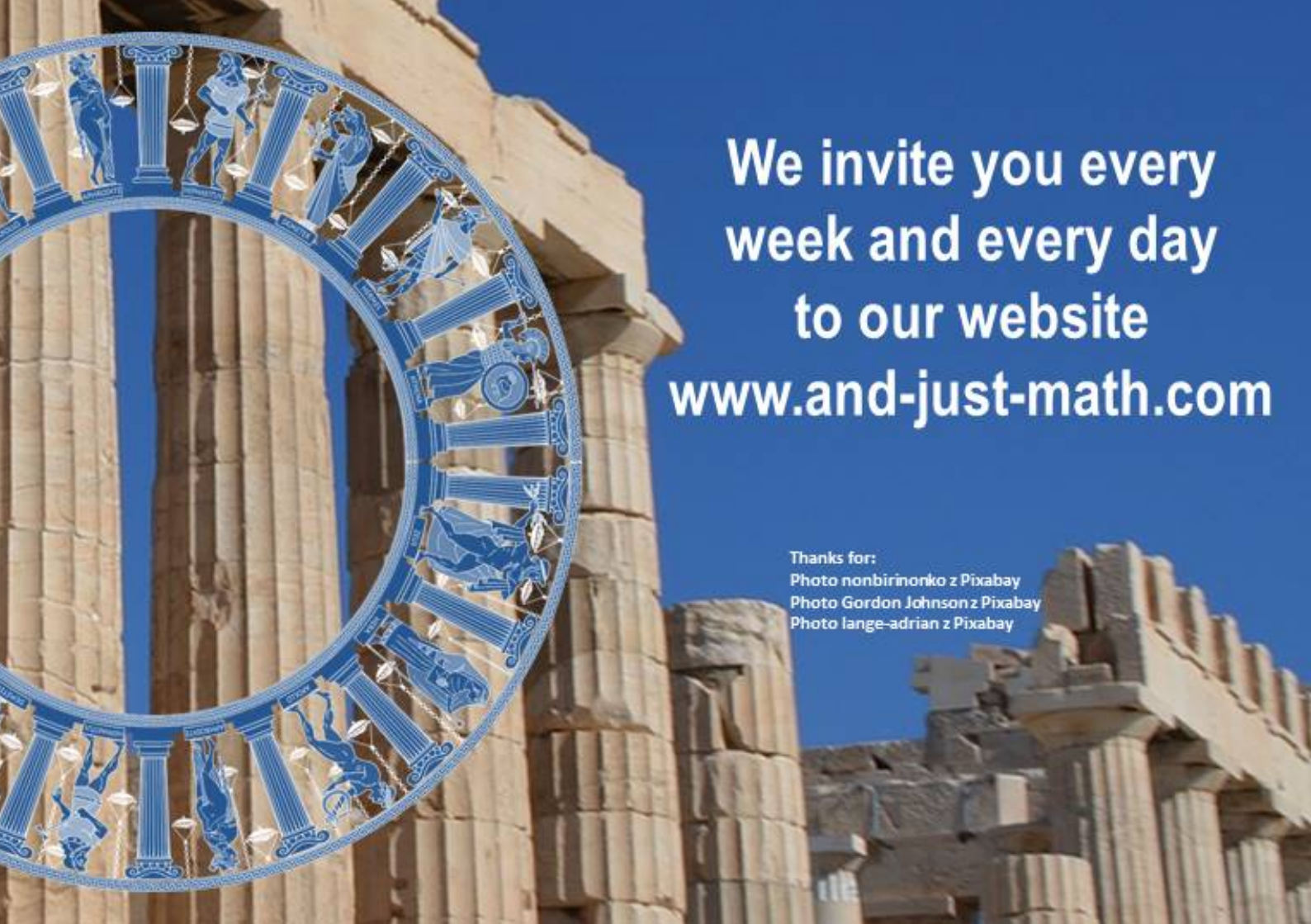
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{\left[\left(\pi^2-6\right)\times k^2+6\times\left(\pi^2-4\right)\times k+9\times\pi^2-24\right]\times 6^{k-1}}{(k+2)^2\times(k+3)^2\times\pi^{2\times k}}=\frac{1}{9}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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