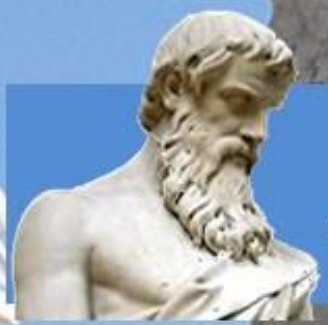

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W40

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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.

D401

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 12 \times k^3 + 69 \times k^2 + 210 \times k + 256}{(k+2) \times (k+3)^3 \times (k+4)^3} = \frac{61 - 6 \times \pi^2}{36}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D402

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{36 \times k^4 + 192 \times k^3 + 529 \times k^2 + 541 \times k + 121}{(3 \times k + 8) \times (3 \times k + 11) \times (4 \times k^2 - 1)^2} = \frac{\pi^2}{8}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

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FORMULA No.

D403

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{256 \times k^4 - 128 \times k^3 + 448 \times k^2 + 168 \times k + 27}{(4 \times k - 3) \times (4 \times k - 1)^2 \times (4 \times k + 1) \times (4 \times k + 3)^2} = \frac{\pi}{8}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{12 \times k^4 + 48 \times k^3 + 51 \times k^2 - 7}{(k+1)^2 \times (k+2)^2 \times (4 \times k^2 - 1)} = \frac{2 \times \pi^2 - 11}{4}$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

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FORMULA No.

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 9 \times k^3 + 45 \times k^2 + 128 \times k + 144}{(k+2)^3 \times (k+3)^3 \times (k+4)^2} = \frac{6 \times \pi^2 - 59}{18}$$

NEW MATHEMATICAL FORMULA DAILY

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Euclid

FORMULA No.

D406

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{9 \times k^4 + 69 \times k^3 + 205 \times k^2 + 273 \times k + 136}{(k+1)^2 \times (k+2)^2 \times (3 \times k + 4) \times (3 \times k + 7)} = \frac{14 \times \pi^2 - 81}{84}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D407

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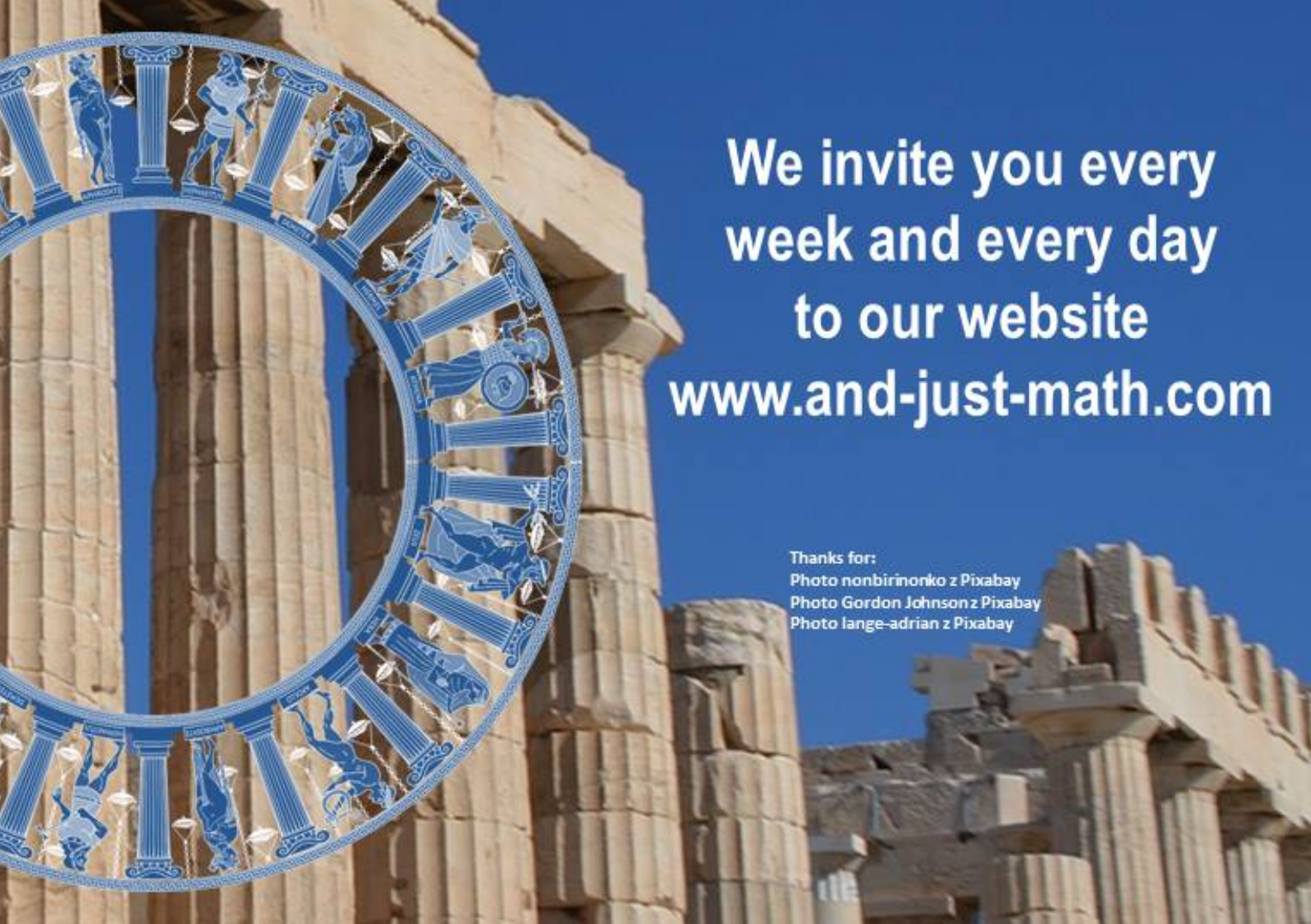
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^3 + 12 \times k^2 + 48 \times k + 64}{(k+2)^3 \times (k+3)^3 \times (k+4)^3} = \frac{533 - 54 \times \pi^2}{54}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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