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BARTOSZ MALINOWSKI

2005342

06.05.2021

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~~scribbled out~~

$$(20^\circ) = (18^\circ) + (16^\circ) - 2(18)(16) \cos A$$

$$400 = 324 + 256 - 576 \cos A$$

$$-180 = -576 \cos A$$

$$\frac{-180}{-576} = \cos A$$

$$\frac{5}{16} = \cos A$$

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a)

$$5^{x+2} = 2^x$$

$$\log_5(5^{x+2}) = \log_5(2^x)$$

$$x+2 = x \cdot \log_5(2)$$

$$x+2 = \log_5(2) x$$

$$x = \log_5(2) x - 2$$

$$\log_a(a^x) = x$$

$$x - \log_5(2) x = -2$$

$$(1 - \log_5(2)) x = -2 \quad | : 1 - \log_5(2)$$

$$x = \frac{-2}{1 - \log_5(2)}$$

$$x \approx -3,51$$

~~scribbled out~~