

$$e^x = 72$$

$$x = ?$$

$$\ln e^x = \ln 72$$

$$x \ln e = \ln 72$$

$$x = \ln 72$$

$$x = 4.277$$

$$\ln = \log_e e$$

$$\log_a a = 1$$

$$\frac{3(2^x)}{3} = \frac{42}{3}$$

$$\log_a b = \frac{\log b}{\log a}$$

$$2^x = 14$$

$$\log_2 2^x = \log_2 14$$

$$x = \log_2 14$$

$$= \frac{\log 14}{\log 2} = 3.807$$

$$4e^{2x} - 3 = 2$$

$$4e^{2x} = 5$$

$$e^{2x} = 1.25$$

$$\ln e^{2x} = \ln 1.25$$

$$\frac{2x}{2} = \frac{\ln 1.25}{2}$$

$$x = .112$$

$$2(3^{2x-5}) - 4 = 11$$

$$3^{2x-5} = 7.5$$

$$2x - 5 = \log_3 7.5$$

$$\frac{2x}{2} = \frac{\log 7.5 / \log 3 + 5}{2}$$

$$x = 3.417$$

$$4x^2 - 3 = 2$$

+3

+3

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$$\frac{4x^2}{4} = \frac{5}{4}$$

$$\sqrt{x^2} = \sqrt{.25}$$

$$x =$$

$$a^2 - 3a + 2 = 0$$

$$(a - 2)(a - 1) = 0$$

$$a - 2 = 0$$

$$a = 2$$

$$a - 1 = 0$$

$$a = 1$$

$$e^{2x} - 3e^x + 2 = 0 \quad a = e^x$$

$$a^2 - 3a + 2 = 0$$

$$(a-2)(a-1) = 0$$

$$a = 2$$

$$a = 1$$

$$\ln e^x = \ln 2$$

$$x = \ln 2$$

$$\ln e^x = \ln 1$$

$$x = \ln 1$$

Tuesday

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