Answer on Question #67375 – Math – Algebra

Question

Solve $0.306a^2 - 10a + 0.306 = 7$
Find a

Solution

$0.306a^2 - 10a + 0.306 = 7$

$0.306a^2 - 10a - 6.694 = 0$

$$a = \frac{10 \pm \sqrt{10^2 + 4 * 0.306 * 6.694}}{2 * 0.306} = 16.340 \pm 16.996$$

$a_1 = 16.340 + 16.996 = 33.336$

$a_2 = 16.340 - 16.996 = -0.656$

Answer: 33.336; -0.656.