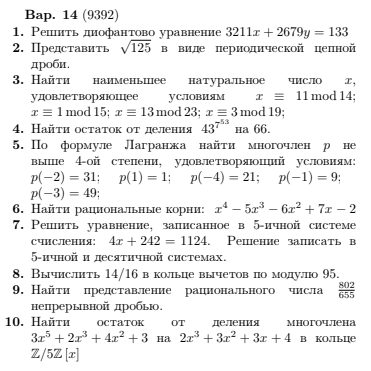
ВАРИАНТ ЗАДАНИЯ И ОТВЕТЫ К ЗАДАЧАМ  


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| № | Ответ |
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|  | Рациональных корней нет |
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Выполнил: Радионов Роман, 0362



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Проверка:

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 – истина.  
  
Ответ: , .

1. .  
   Проверка: – истина.  
   Ответ: .
2. , , , .  
   , , – простое число, – простое число. Общих множителей нет, следовательно .  
   Согласно китайской теореме об остатках, данная система имеет единственное решение.  
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   2) :

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Проверка:  
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Ответ:

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Проверка потенциальных корней.  
Ответ: рациональных корней нет.

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Ответ: .

1. 1)   
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   2)   
      
      
      
      
      
   Ответ:
2. Найти остаток от деления многочлена на в кольце .

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Проверка:   
   
   
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