**Summary:**

10000+ variations. Simple surds.

**Question: >10000 Variations**

1. Estimate the value of <EFOFEX>
   id:fxe{e8d5223e-c184-48fe-ae07-a4e97d3573be}
   FXGP:DP-DQK37Y7
   FXData:

   </EFOFEX>. Show how you arrived at your answer.
2. Simplify each of the following to an expression that contains radicals (surds) of prime numbers.

(i) <EFOFEX>
id:fxe{cbd85e73-e6c2-4733-8b47-41c9a77e937b}
FXGP:DP-AM48G8B
FXData:

</EFOFEX> (ii) <EFOFEX>
id:fxe{88d7daa4-7116-4040-8878-9a9ed11fb4e6}
FXGP:DP-9FLGU3G
FXData:

</EFOFEX>

(iii) <EFOFEX>
id:fxe{3ca38ba8-17b3-4b9a-80ba-f2810f48c548}
FXGP:DP-G3SNSGT
FXData:

</EFOFEX> (iv) <EFOFEX>
id:fxe{e23d02f7-58d1-4258-bfab-51707840b086}
FXGP:DP-EWAW5BY
FXData:

</EFOFEX>

**Solution:**

1. Answer to 2dp is <EFOFEX>
   id:fxe{ad28824f-985f-46d8-8f15-a4fbda2a0257}
   FXGP:DP-DQK37Y7
   FXData:

   </EFOFEX>. Acceptable responses between <EFOFEX>
   id:fxe{baa4d292-7c7b-4590-bae2-8902c97ba1df}
   FXGP:DP-DQK37Y7
   FXData:

   </EFOFEX> and <EFOFEX>
   id:fxe{a994f363-2db7-4427-b928-3c597b3615f9}
   FXGP:DP-DQK37Y7
   FXData:

   </EFOFEX>
2. i) <EFOFEX>
   id:fxe{d0fb6248-7238-4e1f-8827-698dfa2ec3be}
   FXGP:DP-AM48G8B
   FXData:

   </EFOFEX> ii) <EFOFEX>
   id:fxe{059c41e1-63bc-4c99-8335-2b93e8191427}
   FXGP:DP-9FLGU3G
   FXData:

   </EFOFEX>

iii) <EFOFEX>
id:fxe{09f48bca-7e15-4a31-94ae-523e60964774}
FXGP:DP-G3SNSGT
FXData:

</EFOFEX> iv) <EFOFEX>
id:fxe{ae910e90-76a6-4e09-ba97-9e90237b7a03}
FXGP:DP-EWAW5BY
FXData:

</EFOFEX>