

Answers

01.

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| 1. 1/R = 1/R1 + 1/R2 + 1/R3   =1/4 +1/12+1/6  =6/12  =1/2  R = 2 ohms |
| 1. V=IR   12= I\*2  I = 6A |
| 1. V=IR   12= I\*6  I = 2A |
| 1. V=IR   12= I\*12  I = 1A |
| 1. V=IR   12= I\*4  I = 3A |

02.

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| 1. 1/R= 1/6+1/3   1/R = 1/2  R = 2 ohms |
| 1. R= (6+2) ohms   R= 8 ohms |
| 1. V=IR   12 =I\*8  12/8= I  1.5A=I |
| 1. V=IR   V=1.5\*6  V=9V |
| 1. V=IR   V=1.5\*2  V=3V |
| 1. V=IB2   3=I\*6  I=0.5A |
| 1. V=IB3   3=I\*3  I=1A |
| 1. V=IR   12=I\*12  I=1A |