Routing Worksheet

Assign reasonable IP addresses and subnet masks to ports A through H starting at 192.168.0.0. Use a /31 VLSM for point-to-point router links. Remember, next hops need to be on the same network.

|  |  |
| --- | --- |
| Port | IP Address / VLSM |
| A |  |
| B |  |
| C |  |
| D |  |
| E |  |
| F |  |
| G |  |
| H |  |

Fill in the routing tables for each of the routers based on the IP addresses you chose earlier. You may not need all rows in the table.

**Router 1**

|  |  |  |
| --- | --- | --- |
| Port | Destination Network | Gateway |
|  |  |  |
|  |  |  |
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|  |  |  |
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|  |  |  |
|  |  |  |

**Router 2**

|  |  |  |
| --- | --- | --- |
| Port | Destination Network | Gateway |
|  |  |  |
|  |  |  |
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|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Router 3**

|  |  |  |
| --- | --- | --- |
| Port | Destination Network | Gateway |
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|  |  |  |
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|  |  |  |
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|  |  |  |
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