1. Calcula la dirección de red, rango de host y broadcast (si procede), para las siguientes configuraciones de red.

   (a) IP: 32.18.32.244
   Mask: 255.255.255.252

   (b) IP: 32.18.32.244
   Mask: 255.255.252.0

   (c) IP: 1.1.1.1
   Mask: 255.255.255.128

   (d) IP: 1.1.1.1
   Mask: 255.255.255.0

   (e) IP: 203.210.252.32
   Mask: 255.255.255.240

   (f) IP: 203.210.252.32
   Mask: 255.255.128.0

   (g) IP: 100.64.0.32
   Mask: 255.255.255.254

   (h) IP: 100.64.0.32
   Mask: 255.255.255.252

   (i) IP: 2000::236:023C / 64

   (j) IP: 1200:235:1255:5dee:569:15:12:325a / 64

   (k) IP: 1200:235:1255:5dee:569:15:12:325a / 72

   (l) IP: 1200:235:1255:5dee:569:15:12:325a / 122

   (m) IP: 1200:235:1255:5dee:569:15:12:325a / 126

2. Indica si los siguientes host son válidos y si pertenecen a la misma red.

   (a) IP1: 192.168.0.25
   IP2: 192.168.0.38
   Mask: 255.255.255.0

   (b) IP1: 192.168.0.25
   IP2: 192.168.1.38
   Mask: 255.255.255.0

   (c) IP1: 192.168.0.25
   IP2: 192.168.1.38
   Mask: 255.255.254.0

   (d) IP1: 192.168.0.25
   IP2: 192.168.0.255
   IP3: 192.168.1.0
   IP4: 192.168.2.38
   Mask: 255.255.252.0

   (e) IP1: 18.25.2.30
   IP2: 18.25.2.32
   Mask: 255.255.255.224

(f) IP1: 18.25.223.224
IP2: 18.25.223.254
Mask: 255.255.255.224

(g) IP1: 18.25.220.0
IP2: 18.25.223.255
Mask: 255.255.252.0

(h) IP1: 18.25.21.0
IP2: 18.25.21.255
Mask: 255.255.252.0

(i) IP1: 2000::2 / 64
IP2: 2000::2213 / 64
IP2: 2000::ffff:ffff:ffff:ffff /64

(j) IP1: 2000::2 / 3
IP2: 2001::2213 / 3

(k) IP1: 2000::2332 / 125
IP2: 2000::2333 / 125
IP3: 2000::2337 / 125
IP3: 2000::2338 / 125