

**Station 1** :  $\sqrt{x - 4} = 3$

**If  $x = 13$  ... Then Go to Station 12**

**If  $x = 7$  ... Then Go to Station 2**

**If  $x = 5$  ... Then Go to Station 4**

**Station 2** :  $\sqrt{x - 3} = 12$

**If  $x = 139$  ... Then Go to Station 10**

**If  $x = 144$  ... Then Go to Station 1**

**If  $x = 147$  ... Then Go to Station 3**

**Station 3** :  $5 = \sqrt{x - 11}$

**If  $x = 36$  ... Then Go to Station 13**

**If  $x = 16$  ... Then Go to Station 9**

**If  $x = 21$  ... Then Go to Station 8**

**Station 4 :  $16 = \sqrt{x}$**

**If  $x = 16$  ... Then Go to Station 7**

**If  $x = 256$  ... Then Go to Station 6**

**If  $x = 32$  ... Then Go to Station 3**

**Station 5 :  $1 = \sqrt{x - 63}$**

**If  $x = 8$  ... Then Go to Station 2**

**If  $x = 63$  ... Then Go to Station 11**

**If  $x = 64$  ... Then Go to Station 9**

**Station 6 :  $6 = \sqrt{3x}$**

**If  $x = 12$  ... Then Go to Station 2**

**If  $x = 9$  ... Then Go to Station 5**

**If  $x = 36$  ... Then Go to Station 4**

**Station 7 :  $\sqrt{2x + 3} = 9$**

**If  $x = 39$  ... Then Go to Station 8**

**If  $x = 43$  ... Then Go to Station 1**

**If  $x = 81$  ... Then Go to Station 12**

**Station 8 :  $4\sqrt{x} = 28$**

**If  $x = 7$  ... Then Go to Station 13**

**If  $x = 14$  ... Then Go to Station 11**

**If  $x = 49$  ... Then Go to Station 1**

**Station 9 :  $\sqrt{2y} = \sqrt{9 - y}$**

**If  $x = 9$  ... Then Go to Station 2**

**If  $x = 3$  ... Then Go to Station 7**

**If  $x = 2$  ... Then Go to Station 3**

**Station 10** :  $\sqrt{x-2} = 6$

**If  $x = 38$  ... Then Go to Station 4**

**If  $x = 6$  ... Then Go to Station 6**

**If  $x = 14$  ... Then Go to Station 7**

**Station 11** :  $\sqrt{x-4} + 5 = 11$

**If  $x = 260$  ... Then Go to Station 9**

**If  $x = 40$  ... Then Go to Station 5**

**If  $x = 16$  ... Then Go to Station 7**

**Station 12** :  $10\sqrt{9x} = 60$

**If  $x = 4$  ... Then Go to Station 10**

**If  $x = 36$  ... Then Go to Station 5**

**If  $x = 60$  ... Then Go to Station 9**

**Station 13** :  $-8 + \sqrt{5a - 5} = -3$

**If  $x = 3$  ... Then Go to Station 13**

**If  $x = 2$  ... Then Go to Station 4**

**If  $x = 6$  ... Then Go to Station 11**