Homework – More on while, do… while loop

Trace the following program:

Program	Memory	Output
``int d = 10;

while (d > 5)
{
    d = d - 2;
    System.out.println (d);
}``` | d (int): ~~10 8 6~~ 4 | 10
8
6
4
> |
| ```int x = 15;
int y = 4;
do
{
    System.out.println(x);
    x = x - 4;
} while (x > y);``` | x (int): ~~15 11 9 5~~ 1
y (int): 4 | 15
11
9
5
> |
| ```int input, min;
System.out.print ("Enter a number: ");
input = sc.nextInt ();
min = input;

while (input != -1)
{
   if (input < min)
   {
     min = input;
   }
   System.out.print ("Enter a number: ");
   input = sc.nextInt ();
}
System.out.println (min);```

Assume the user enters the following in order:
23
45
67
95
86
6
93
6
-1 | input (int): ~~23 45 67 95 86 6 93 6~~ -1
min (int): ~~23~~ 6 | ```Enter a number:
Enter a number:
Enter a number:
Enter a number:
Enter a number:
Enter a number:
Enter a number:
Enter a number:
Enter a number:
6
>``` |

`int x = 3;`
`int y = 15;`
`do`
`{`
`   x = x + 3;`
`   y = y - 1;`
`   System.out.println (x);`
`} while (x != y);`
	x (int): ~~3 6 9~~ 12
	y (int): ~~15 14 13~~ 12
		6
		9
		>