Cody Problem 17. Find all elements less than 0 or greater than 10 and replace them with NaN

Given an input vector x, find all elements of x less than 0 or greater than 10 and replace them with NaN.

Example:

```
% Input  x = [  5  17 -20  99  3.4  2  8  -6 ]
% Output y is [  5 NaN NaN NaN  3.4  2  8 NaN ]
```

Scratch Pad

```
x = [  5  17 -20  99  3.4  2  8  -6 ]
```

```
x = 1×8
    5.0000   17.0000  -20.0000   99.0000    3.4000    2.0000    8.0000   -6.0000
```

```
cleanUp(x)
```

```
ans = 1×8
    5.0000       NaN       NaN       NaN    3.4000    2.0000    8.0000       NaN
```

Solution

```
function y = cleanUp(x)
  y = find(x < 0);
  y = [y, find(x > 10)];
  x(y) = nan;
  y = x;
end
```