Computer Vision Exercise 1

1

a)

```
x1 = [2 -1 1].'
```

```
x1 = 3×1
     2
    -1
     1
```

```
x2 = [1 -2 1].'
```

```
x2 = 3×1
     1
    -2
     1
```

```
x3 = [1 1 1].'
```

```
x3 = 3×1
     1
     1
     1
```

```
x4 = [-1 0 1].'
```

```
x4 = 3×1
    -1
     0
     1
```

b)

```
l1 = cross(x1, x2)
```

```
l1 = 3×1
     1
    -1
    -3
```

```
l2 = cross(x3, x4)
```

```
l2 = 3×1
     1
    -2
     1
```

c)

```
p = cross(l1, l2)
```

```
p = 3×1
    -7
    -4
    -1
```

```
[p(1) p(2)]./p(3)
```

ans = 1×2
    7   4