

EOSC 211 – Week 5 – Worksheet 2 – Selections

Group #:

Name:

EXERCISE 1: What is the value of z after you execute this script?
Remember that `rem(A,b)` returns the remainder of the division A/b .

```
x=4; y=3;
if rem(x,2)==0
    if x*y>15
        z=1;
    elseif x*y>10
        z=2;
    elseif x*y==12
        z=3;
    end
else
    z=0;
end
```

EXERCISE 2: What is the value of z after you execute this script?

```
x=4; y=3;
if rem(x,2)~=0
    if x*y==12
        z=3;
    end
else
    z=0;
end
```

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Exercise 3: What is the value of z after executing this script?

```
x=-2; y=3;
if -4<x<-1,
    z=x^2/2;
elseif -4<x & x<-1,
    z=-x*y^2;
    if z>18,
        z=0*z;
    end
end;
end;
```

Exercise 4: What is z after executing this script? What does this script do (in in 4 or 5 words)?

```
x=[5 3 1 2];
z=x(1);
if x(2)<x(1),
    z=x(2);
end;
if x(3)<z,
    z=x(3);
end;
if x(4)<z,
    z=x(4);
end;
```