

### Quiz 3

5 points  
(Version A)

#### Problem 1 (1 point)

For the same sub-interval size,  $h$ , which method of numerical integration has the least error?

Simpson's Rule

The Trapezoid method

The Mid Point Method

#### Problem 2 (2 points)

`a=ones(2,1)`

Which expression would give an error:

a.\*a

a\*a

Why?

#### Problem 3 (1 point)

How would you use this anonymous function to calculate  $x^2$ ?

`F=@(x)x^2`

#### Problem 4 (1 point)

Fill in what is missing in the following code block (so it doesn't give error):  $X=5$

```
Name='Superman'
```

```
switch
case 'Batman'
    fprintf('Utility Belt\n')
case 'Superman'
    fprintf('Cape\n')
otherwise
    fprintf('Civilian\n')
end
```