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# Lecture 3.7, slide 3
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# Newton-Raphson for square root
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epsilon = 0.01
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```
y = 24.0
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```
guess = y/2.0
```

```
while abs(guess*guess - y) >= epsilon:
```

```
    guess = guess - (((guess**2) - y)/(2*guess))
```

```
    print(guess)
```

```
print('Square root of ' + str(y) + ' is about ' + str(guess))
```