

dan@dan-Alienware-m15: ~/Documents/School/CIS110/Exercices/Ch3

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```
import math
```

```
def main():
```

```
print()
```

```
#input
```

```
height=float(input("How high must you reach?"))
```

```
angle=float(input("What will the ladder angle be (in degrees)?"))
```

```
#processing
```

```
radians=math.radians(angle)
```

```
length=height/math.sin(radians)
```

```
#output
```

```
print()
```

```
print("Length of ladder required:", length)
```

```
main()
```

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