

Solution Review: Gravitational Force

This review explains the solution for the 'Gravitational Force' exercise.

We'll cover the following ^

- Solution
- Explanation

Solution

```
G = 6.67 * (10 ** -11)
M = 6.0 * (10 ** 24) # Mass of Earth
m = 7.34 * (10 ** 22) # Mass of the moon
r = 3.84 * (10 ** 8)
```

```
grav_force = (G * M * m) / (r ** 2)
print(grav_force)
```



Explanation

There's nothing tricky going on here. The `*` operator is used to multiply the different variables and `**` is the power operator we need to square `r`. We could have also written `r * r`.

The parentheses are only there to make the code more readable by separating the upper and lower parts of the fraction. They are optional.