



```
a. Composite Simpson's Rule (n=4, m=4): 0.511988
b. Gaussian Quadrature (n=3, m=3): 0.511866
c. True value: 0.511845

Relative error (Simpson, %): 0.027920%
Relative error (Gaussian, %): 0.004084%
```

```
a. Integral (0 to 1) x^(-1/4) sin x dx: 6.947084
b. Integral (1 to inf) x^(-4) sin x dx: 0.274658

...Program finished with exit code 0
Press ENTER to exit console.
```