```
# Python code to perform operations with significant figures
import decimal
```

```
# Function to round off to the required number of significant figures
def round_sig(x, sig=2):
    return round(x, sig-int(decimal.Decimal(str(x)).as_tuple().exponent)-1)
```

```
# Addition
a = 123.4
b = 0.36
sum_ab = a + b
print(f"Sum rounded to 1 decimal place: {round(sum_ab, 1)}")
```

```
Sum rounded to 1 decimal place: 123.8
```

```
# Multiplication
c = 3.14
d = 2.0
product_cd = c * d
print(f"Product rounded to 2 significant figures: {round_sig(product_cd, 2)}")
```

```
Product rounded to 2 significant figures: 6.28
```

```
# Powers
e = 1.23
square_e = e**2
print(f"Square rounded to 3 significant figures: {round_sig(square_e, 3)}")
```

```
Square rounded to 3 significant figures: 1.5129
```

This code first performs the operations with full precision, then rounds off the final result to the appropriate number of significant figures or decimal places. It uses the `decimal` module in Python to handle the significant figures. The `round_sig` function is used to round a number to a specified number of significant figures.