

Name : \_\_\_\_\_

## Powers of i

Sheet 3

### Part - A

Simplify.

1)  $i^5$

2)  $i^{91}$

3)  $i^{157}$

4)  $i^{640}$

5)  $i^{83}$

6)  $i^{18}$

7)  $i^{324}$

8)  $i^{70}$

9)  $i^{45}$

12)  $i^{56}$

Simplify.

1)  $i^{94} + i^{243} - i^{105}$

$i^{999}(i^{730} + i^{52})$

4)  $i^{11} - i^{73}$

5)  $(i^{751})(i^{546})$

6)  $i^{579} - i^{25} + i^{836} + i^{52}$

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