

Name : _____

Powers of i

Sheet 2

Part - A

Simplify.

1) i^{29}

2) i^{548}

3) i^{62}

4) i^{723}

5) i^{15}

6) i^6

7) i^{68}

8) i^{101}

9) i^{864}

12) i^{14}

Simplify.

1) $i^{91} + i^6$

$i^{39} - i^{22} + i^{870}$

4) $i^{52} + i^{189} + i^{73} + i^{640}$

5) $i^{976} - i^{19}$

6) $i^{94}(i^{125} + i^{187})$

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Powers of i**Part - A**

Simplify.

1) i^{29}

i

2) i^{548}

1

3) i^{62}

-1

4) i^{723}

-i

5) i^{15}

-i

6) i^6

7) i^{68}

8) i^{101}

i

9) i^{864}

1

12) i^{14}

-1

Simplify.

1) $i^{91} + i^6$

-i - 1

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$i^{39} - i^{22} + i^{870}$

-i

4) $i^{52} + i^{189} + i^{73} + i^{640}$

2 + 2i

5) $i^{976} - i^{19}$

1 + i

6) $i^{94}(i^{125} + i^{187})$

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