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

Period: \_\_\_\_\_

*Simplify these expressions. Use [MATHguide's online lesson](#) for assistance.*

1)  $i^{12}$

2)  $i^{18}$

3)  $5i^{26}$

4)  $i^{-6}$

5)  $-4i^{-23} + 7$

6)  $-2i^{-83}$

7)  $(-i)^{507} - i^{-23}$

8)  $(3 + i)^{-1}$   
Hint:  $a^{-1} = \frac{1}{a}$

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