



Math worksheet on 'Complex Numbers - Multiplication Imaginary Part Only (Level 1)'. Part of a broader unit on 'Complex Numbers'

Learn online: [app.mobius.academy/math/units/complex\\_numbers/](http://app.mobius.academy/math/units/complex_numbers/)

1

Multiply these complex numbers and simplify

$$(3i) \cdot (-3i)$$

a

7

b

11

c

9

d

 $9 + 2i$ 

e

 $9 + 1i$ 

f

8

2

Multiply these complex numbers and simplify

$$(-6i) \cdot (-6i)$$

a

-37

b

 $-36 - 2i$ 

c

 $-36 + 2i$ 

d

36

e

-36

f

-35

3

Multiply these complex numbers and simplify

$$(3i) \cdot (-6i)$$

a

 $18 - 2i$ 

b

 $18 + 1i$ 

c

17

d

18

e

20

f

-18

4

Multiply these complex numbers and simplify

$$(3i) \cdot (3i)$$

a

-8

b

 $-9 + 2i$ 

c

 $-9 - 2i$ 

d

-9

e

-7

f

 $-9 - 1i$ 

5

Multiply these complex numbers and simplify

$$(2i) \cdot (5i)$$

a

 $-10 + 2i$ 

b

 $-10 - 1i$ 

c

 $-10 - 2i$ 

d

-10

e

10

f

-9

6

Multiply these complex numbers and simplify

$$(4i) \cdot (5i)$$

a

-21

b

-20

c

 $-20 - 2i$ 

d

 $-20 + 2i$ 

e

 $-20 + 1i$ 

f

 $-20 - 1i$ 

7

Multiply these complex numbers and simplify

$$(-6i) \cdot (-5i)$$

a

30

b

-28

c

 $-30 - 2i$ 

d

-30

e

 $-30 - 1i$ 

f

-32