## Unit 3 Lesson 13: Multiplying Complex Numbers

### 1 Squared (Warm up)

#### Student Task Statement

Write each expression in the form , where and are real numbers.

### 2 Multiplying Imaginary Numbers

#### Student Task Statement

Take turns with your partner to match an expression in column A with an equivalent expression in column B.

* For each match that you find, explain to your partner how you know it’s a match.
* For each match that your partner finds, listen carefully to their explanation. If you disagree, discuss your thinking and work to reach an agreement.

|  |  |
| --- | --- |
| A | B |
|  | -9 |
|  |  |
|  | -35 |
|  | 1 |
|  | 9 |
|  | -3 |
|  | -1 |
|  |  |

### 3 Multiplying Complex Numbers

#### Student Task Statement

Write each product in the form , where and are real numbers.



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