## Unit 3 Lesson 14: More Arithmetic with Complex Numbers

### 1 Which One Doesn’t Belong: Complex Expressions (Warm up)

#### Student Task Statement

Which one doesn’t belong?

A.

B.

C.

D.

### 2 Powers of (Optional)

#### Student Task Statement

1. Write each power of in the form , where and are real numbers. If or is zero, you can ignore that part of the number. For example, can simply be expressed as .
2. What is ? Explain your reasoning.
3. What is ? Explain your reasoning.

### 3 Add 'Em Up (or Subtract or Multiply) (Optional)

#### Student Task Statement

For each row, your partner and you will each rewrite an expression so it has the form , where and are real numbers. You and your partner should get the same answer. If you disagree, work to reach agreement.

| partner A | partner B |
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