## Unit 7 Lesson 8: Rewriting Quadratic Expressions in Factored Form (Part 3)

### 1 Math Talk: Products of Large-ish Numbers (Warm up)

#### Student Task Statement

Find each product mentally.

### 2 Can Products Be Written as Differences?

#### Student Task Statement

1. Clare claims that is equivalent to and is equivalent to . Do you agree? Show your reasoning.
   1. Use your observations from the first question and evaluate . Show your reasoning.
   2. Check your answer by computing .
2. Is equivalent to ? Support your answer:

* With a diagram:

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| --- | --- | --- |
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|  |  |  |
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* Without a diagram:

1. Is equivalent to ? Support your answer, either with or without a diagram.

### 3 What If There is No Linear Term?

#### Student Task Statement

Each row has a pair of equivalent expressions.

Complete the table.

If you get stuck, consider drawing a diagram. (Heads up: one of them is impossible.)

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| --- | --- |
| factored form | standard form |
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