

# Factoring Games, Part One— Dynamic Algebra Tiles

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

You will play games in which you factor quadratic expressions.

## EXPLORE

1. Open **Factoring Games Part One--Dynamic Algebra Tiles.gsp**.

Go to page “Game A.”

Follow these steps to play a game:

- Drag the orange points to identify the factors of the quadratic expression.
- Press *Show Hints* if you need a hint. Doing so will cost you 2 points.
- Press *Check Answer* to see if your answer is correct.
- A correct answer with no hints will earn you 10 points! Press *Next Problem* to move on. There are 10 problems in all.
- If your answer is incorrect, try again!
- If you are really sure of your answer, press the *Next Problem* button without pressing *Check Answer*. Be careful: If your answer is incorrect, you receive 0 points!

2. When you are done solving ten problems, write your final score. Then explain your strategy for factoring these quadratic expressions.

Score: \_\_\_\_\_

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3. Go to page “Game B.” Play the game. When you are done solving ten problems, write your final score. Then explain your strategy for factoring these quadratic expressions.

Score: \_\_\_\_\_

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4. Go to page “Game C.” Play the game. When you are done solving ten problems, write your final score. Then explain your strategy for factoring these quadratic expressions.

Score: \_\_\_\_\_

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5. Go to page “Game D.” Play the game. When you are done solving ten problems, write your final score. Then explain your strategy for factoring these quadratic expressions.

Score: \_\_\_\_\_

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