

## Journal

- 1. Martha does not understand why the denominator of a rational expression cannot have a value of zero. Explain to her why the expression  $\frac{2}{0}$  is undefined.
- **2.** Explain why –3 is excluded from the domain of the expression  $\frac{2x}{x+3}$ . **3.** Explain how one would find the restricted values of  $\frac{3x+1}{x^2-8x+12}$ .
- 4. Jolie says that -2 and 4 are the restricted values for a certain rational expression. Find an expression that has these restricted values.
- 5. Find the value of the expression  $\frac{6x}{x-2}$  when x is equal to zero. Is zero a restricted value? Explain.

Module 15 Lesson 1

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## DIGITAL

## **Cumulative Review**

## Factor completely.



Module 15 Lesson 1

Independent Practice