CHAPTER REVIEW

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- Multi-Language Glossary
- Vocabulary practice

REVIEW KEY VOCABULARY

- system of two linear equations in two variables, *p. 153*
- solution of a system of linear equations, *p. 153*
- consistent, inconsistent, independent, dependent, p. 154
- substitution method, p. 160
- elimination method, p. 161
- system of linear inequalities in two variables, *p. 168*
- solution, graph of a system of inequalities, *p. 168*

- Inear equation in three variables, p. 178
- system of three linear equations in three variables, *p.* 178
- solution of a system of three linear equations, *p. 178*
- ordered triple, p. 178
- matrix, p. 187
- dimensions, elements of a matrix, *p. 187*

- equal matrices, p. 187
- scalar, p. 188
- scalar multiplication, p. 187
- determinant, p. 203
- Cramer's rule, p. 205
- coefficient matrix, p. 205
- identity matrix, inverse matrices, p. 210
- matrix of variables, p. 212
- matrix of constants, p. 212

VOCABULARY EXERCISES

- 1. Copy and complete: A system of linear equations with at least one solution is _?_, while a system with no solution is _?_.
- **2.** Copy and complete: A solution (*x*, *y*, *z*) of a system of linear equations in three variables is called a(n) _?_.
- 3. WRITING *Explain* when the product of two matrices is defined.

REVIEW EXAMPLES AND EXERCISES

Use the review examples and exercises below to check your understanding of the concepts you have learned in each lesson of Chapter 3.

