Answers (Lesson 5-1)

Exercises

Example 1

Find the value of each variable.

1. \(x = 4\)
2. \(x = 2\)
3. \(x = 5\)
4. \(x = 12\)
5. \(x = 5\)
6. \(x = 6\)

Example 2

Find the value of each variable.

1. \(x = 5\)
2. \(x = 10\)
3. \(x = 15\)
4. \(x = 20\)
5. \(x = 25\)
6. \(x = 30\)

Example 3

Find the value of each variable.

1. \(x = 4\)
2. \(x = 8\)
3. \(x = 12\)
4. \(x = 16\)
5. \(x = 20\)
6. \(x = 24\)

Example 4

Find the value of each variable.

1. \(x = 5\)
2. \(x = 10\)
3. \(x = 15\)
4. \(x = 20\)
5. \(x = 25\)
6. \(x = 30\)

Example 5

Find the value of each variable.

1. \(x = 4\)
2. \(x = 8\)
3. \(x = 12\)
4. \(x = 16\)
5. \(x = 20\)
6. \(x = 24\)
COORDINATE GEOMETRY
The vertices of \( \triangle ABC \) are \((1, 2, 3)\), \((4, 5, 6)\), and \((7, 8, 9)\).

1. Find the coordinates of the point of concurrency of \( \triangle ABC \)."