

Shape Algebra 3 Variables

Find the values of the shapes. The values are whole numbers.

$$\text{Hexagon} / \text{Circle} = \text{Square}$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Hexagon} + \text{Circle} + \text{Square} = 17$$

$$\text{Circle} = \text{Box}$$

$$\text{Square} \cdot \text{Hexagon} \cdot \text{Circle} = 100$$

$$\text{Square} = \text{Box}$$

$$\text{Pentagon} \cdot \text{Triangle} = \text{Star}$$

$$\text{Pentagon} = \text{Box}$$

$$\text{Triangle} \cdot \text{Star} = 36$$

$$\text{Star} = \text{Box}$$

$$\text{Star} - \text{Pentagon} = 8$$

$$\text{Triangle} = \text{Box}$$

$$\text{Circle} / \text{Hexagon} = \text{Square}$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Circle} \cdot \text{Square} = 16$$

$$\text{Circle} = \text{Box}$$

$$\text{Square} \cdot \text{Square} + \text{Hexagon} = \text{Circle}$$

$$\text{Square} = \text{Box}$$

$$\text{Circle} \cdot \text{Circle} \cdot \text{Hexagon} = \text{Square}$$

$$\text{Circle} = \text{Box}$$

$$\text{Circle} + \text{Hexagon} = 6$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Square} / \text{Circle} = \text{Circle} \cdot \text{Hexagon}$$

$$\text{Square} = \text{Box}$$

$$\text{Star} / \text{Triangle} = \text{Hexagon}$$

$$\text{Hexagon} = \text{Box}$$

$$\text{Star} / \text{Hexagon} = \text{Triangle}$$

$$\text{Star} = \text{Box}$$

$$\text{Hexagon} + \text{Triangle} = 7$$

$$\text{Triangle} = \text{Box}$$

Answers

Find the values of the shapes. The values are whole numbers.

$$\text{Hexagon} / \text{Circle} = \text{Square}$$

$$\text{Hexagon} = 10$$

$$\text{Hexagon} + \text{Circle} + \text{Square} = 17$$

$$\text{Circle} = 5$$

$$\text{Square} \cdot \text{Hexagon} \cdot \text{Circle} = 100$$

$$\text{Square} = 2$$

$$\text{Pentagon} \cdot \text{Triangle} = \text{Star}$$

$$\text{Pentagon} = 4$$

$$\text{Triangle} \cdot \text{Star} = 36$$

$$\text{Star} = 12$$

$$\text{Star} - \text{Pentagon} = 8$$

$$\text{Triangle} = 3$$

$$\text{Circle} / \text{Hexagon} = \text{Square}$$

$$\text{Hexagon} = 4$$

$$\text{Circle} \cdot \text{Square} = 16$$

$$\text{Circle} = 8$$

$$\text{Square} \cdot \text{Square} + \text{Hexagon} = \text{Circle}$$

$$\text{Square} = 2$$

$$\text{Circle} \cdot \text{Circle} \cdot \text{Hexagon} = \text{Square}$$

$$\text{Circle} = 2$$

$$\text{Circle} + \text{Hexagon} = 6$$

$$\text{Hexagon} = 4$$

$$\text{Square} / \text{Circle} = \text{Circle} \cdot \text{Hexagon}$$

$$\text{Square} = 16$$

$$\text{Star} / \text{Triangle} = \text{Hexagon}$$

$$\text{Hexagon} = 5$$

$$\text{Star} / \text{Hexagon} = \text{Triangle}$$

$$\text{Star} = 10$$

$$\text{Hexagon} + \text{Triangle} = 7$$

$$\text{Triangle} = 2$$