

Shape Algebra 4 Variables

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

$$\text{circle} \cdot \text{circle} \cdot \text{circle} = \square$$

$$\text{circle} = \text{input box}$$

$$\text{circle} + \square + \text{hexagon} = 14$$

$$\text{hexagon} = \text{input box}$$

$$\text{hexagon} / \text{circle} = 2$$

$$\text{triangle} = \text{input box}$$

$$\text{triangle} - \text{hexagon} = 1$$

$$\square = \text{input box}$$

$$\text{hexagon} + \text{triangle} = \text{star}$$

$$\text{hexagon} = \text{input box}$$

$$\text{triangle} + \text{hexagon} + \text{hexagon} = 11$$

$$\text{star} = \text{input box}$$

$$\text{star} - \square = 6$$

$$\text{triangle} = \text{input box}$$

$$\text{star} - \square - \square = 4$$

$$\square = \text{input box}$$

$$\text{hexagon} \cdot \text{triangle} = \text{circle}$$

$$\text{hexagon} = \text{input box}$$

$$\text{triangle} + \text{hexagon} + \text{hexagon} = 7$$

$$\text{circle} = \text{input box}$$

$$\text{circle} - \square = 1$$

$$\text{triangle} = \text{input box}$$

$$\text{circle} / \text{triangle} - \text{hexagon} = 0$$

$$\square = \text{input box}$$

$$\text{circle} \cdot \text{triangle} \cdot \text{triangle} = 12$$

$$\text{circle} = \text{input box}$$

$$\text{circle} + \text{diamond} + \text{hexagon} = 12$$

$$\text{hexagon} = \text{input box}$$

$$\text{diamond} / \text{triangle} = 2$$

$$\text{triangle} = \text{input box}$$

$$\text{hexagon} - \text{triangle} = \text{circle}$$

$$\text{diamond} = \text{input box}$$

Answers

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

$$\text{circle} \cdot \text{circle} \cdot \text{circle} = \square$$

$$\text{circle} = 2$$

$$\text{circle} + \square + \text{hexagon} = 14$$

$$\text{hexagon} = 4$$

$$\text{hexagon} / \text{circle} = 2$$

$$\triangle = 5$$

$$\triangle - \text{hexagon} = 1$$

$$\square = 8$$

$$\text{hexagon} + \triangle = \text{star}$$

$$\text{hexagon} = 3$$

$$\triangle + \text{hexagon} + \text{hexagon} = 11$$

$$\text{star} = 8$$

$$\text{star} - \square = 6$$

$$\triangle = 5$$

$$\text{star} - \square - \square = 4$$

$$\square = 2$$

$$\text{hexagon} \cdot \triangle = \text{circle}$$

$$\text{hexagon} = 2$$

$$\triangle + \text{hexagon} + \text{hexagon} = 7$$

$$\text{circle} = 6$$

$$\text{circle} - \square = 1$$

$$\triangle = 3$$

$$\text{circle} / \triangle - \text{hexagon} = 0$$

$$\square = 5$$

$$\text{circle} \cdot \triangle \cdot \triangle = 12$$

$$\text{circle} = 3$$

$$\text{circle} + \text{diamond} + \text{hexagon} = 12$$

$$\text{hexagon} = 5$$

$$\text{diamond} / \triangle = 2$$

$$\triangle = 2$$

$$\text{hexagon} - \triangle = \text{circle}$$

$$\text{diamond} = 4$$