

Shape Algebra 4 Variables

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

$$\text{Hexagon} + \text{Triangle} = 9$$

$$\text{Hexagon} = \boxed{}$$

$$\text{Triangle} + \text{Hexagon} + \text{Hexagon} = 13$$

$$\text{Star} = \boxed{}$$

$$\text{Star} - \text{Hexagon} = 4$$

$$\text{Triangle} = \boxed{}$$

$$\text{Star} - \text{Hexagon} - \text{Square} = 2$$

$$\text{Square} = \boxed{}$$

$$\text{Pentagon} + \text{Square} + \text{Triangle} = 9$$

$$\text{Circle} = \boxed{}$$

$$\text{Triangle} + \text{Circle} + \text{Circle} = 5$$

$$\text{Pentagon} = \boxed{}$$

$$\text{Square} - \text{Pentagon} = 2$$

$$\text{Triangle} = \boxed{}$$

$$\text{Pentagon} - \text{Square} + \text{Square} = 2$$

$$\text{Square} = \boxed{}$$

$$\text{Pentagon} + \text{Triangle} = 6$$

$$\text{Pentagon} = \boxed{}$$

$$\text{Triangle} + \text{Triangle} = \text{Pentagon}$$

$$\text{Star} = \boxed{}$$

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

$$\text{Triangle} = \boxed{}$$

$$\text{Pentagon} + \text{Square} + \text{Square} = 6$$

$$\text{Square} = \boxed{}$$

$$\text{Triangle} \cdot \text{Triangle} = \text{Circle}$$

$$\text{Hexagon} = \boxed{}$$

$$\text{Circle} + \text{Square} + \text{Hexagon} = 19$$

$$\text{Circle} = \boxed{}$$

$$\text{Circle} - \text{Square} = 1$$

$$\text{Triangle} = \boxed{}$$

$$\text{Circle} + \text{Triangle} \cdot \text{Triangle} = 18$$

$$\text{Square} = \boxed{}$$

Answers

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

$$\text{Hexagon} + \text{Triangle} = 9$$

$$\text{Hexagon} = 4$$

$$\text{Triangle} + \text{Hexagon} + \text{Hexagon} = 13$$

$$\text{Star} = 8$$

$$\text{Star} - \text{Hexagon} = 4$$

$$\text{Triangle} = 5$$

$$\text{Star} - \text{Hexagon} - \text{Square} = 2$$

$$\text{Square} = 2$$

$$\text{Pentagon} + \text{Square} + \text{Inverted Triangle} = 9$$

$$\text{Circle} = 1$$

$$\text{Inverted Triangle} + \text{Circle} + \text{Circle} = 5$$

$$\text{Pentagon} = 2$$

$$\text{Square} - \text{Pentagon} = 2$$

$$\text{Inverted Triangle} = 3$$

$$\text{Pentagon} - \text{Square} + \text{Square} = 2$$

$$\text{Square} = 4$$

$$\text{Pentagon} + \text{Triangle} = 6$$

$$\text{Pentagon} = 4$$

$$\text{Triangle} + \text{Triangle} = \text{Pentagon}$$

$$\text{Star} = 2$$

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

$$\text{Triangle} = 2$$

$$\text{Pentagon} + \text{Square} + \text{Square} = 6$$

$$\text{Square} = 1$$

$$\text{Triangle} \cdot \text{Triangle} = \text{Circle}$$

$$\text{Hexagon} = 2$$

$$\text{Circle} + \text{Square} + \text{Hexagon} = 19$$

$$\text{Circle} = 9$$

$$\text{Circle} - \text{Square} = 1$$

$$\text{Triangle} = 3$$

$$\text{Circle} + \text{Triangle} \cdot \text{Triangle} = 18$$

$$\text{Square} = 8$$