

Shape Algebra 4 Variables

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

$$\text{Yellow Circle} - \text{White Square} + \text{Yellow Circle} = 6$$

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

$$\text{White Triangle} + \text{White Square} + \text{Blue Hexagon} = 10$$

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

$$\text{White Triangle} / \text{Blue Hexagon} = 1$$

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

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

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

$$\text{Yellow Star} / \text{Blue Square} - \text{White Hexagon} = 0$$

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

$$\text{Green Triangle} + \text{Blue Square} + \text{White Hexagon} = 10$$

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

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

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

$$\text{Yellow Star} - \text{Blue Square} = 3$$

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

$$\text{Red Pentagon} + \text{White Square} + \text{White Inverted Triangle} = 11$$

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

$$\text{Red Pentagon} + \text{White Square} + \text{Green Circle} = 10$$

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

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

$$\text{White Inverted Triangle} = \text{Empty Box}$$

$$\text{Red Pentagon} - \text{White Square} + \text{White Square} = 3$$

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

$$\text{Pink Hexagon} + \text{White Triangle} = 5$$

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

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

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

$$\text{Yellow Star} / \text{Pink Hexagon} = 2$$

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

$$\text{Yellow Star} - \text{White Square} - \text{White Square} = 4$$

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

Answers

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

$$\text{Yellow Circle} - \text{White Square} + \text{Yellow Circle} = 6$$

$$\text{Blue Hexagon} = 3$$

$$\text{White Triangle} + \text{White Square} + \text{Blue Hexagon} = 10$$

$$\text{Yellow Circle} = 5$$

$$\text{White Triangle} / \text{Blue Hexagon} = 1$$

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

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

$$\text{White Square} = 4$$

$$\text{Yellow Star} / \text{Blue Square} - \text{White Hexagon} = 0$$

$$\text{White Hexagon} = 2$$

$$\text{Green Triangle} + \text{Blue Square} + \text{White Hexagon} = 10$$

$$\text{Yellow Star} = 6$$

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

$$\text{Green Triangle} = 5$$

$$\text{Yellow Star} - \text{Blue Square} = 3$$

$$\text{Blue Square} = 3$$

$$\text{Red Pentagon} + \text{White Square} + \text{White Inverted Triangle} = 11$$

$$\text{Green Circle} = 2$$

$$\text{Red Pentagon} + \text{White Square} + \text{Green Circle} = 10$$

$$\text{Red Pentagon} = 3$$

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

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

$$\text{Red Pentagon} - \text{White Square} + \text{White Square} = 3$$

$$\text{White Square} = 5$$

$$\text{Pink Hexagon} + \text{White Triangle} = 5$$

$$\text{Pink Hexagon} = 4$$

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

$$\text{Yellow Star} = 8$$

$$\text{Yellow Star} / \text{Pink Hexagon} = 2$$

$$\text{White Triangle} = 1$$

$$\text{Yellow Star} - \text{White Square} - \text{White Square} = 4$$

$$\text{White Square} = 2$$