

**Algebraic Equations \*\*\* Activity 1 A**

**Cover Algebraic Term with Unknown Variable! Determine Solution to Equation!**

**Uncover Algebraic Term & Determine value of Variable!**

**Check Determined Value by Substitution, to Verify Value is Solution to Equation!**

$$W^2 + 5 = 21 \quad W = \underline{\quad}$$

$$\sqrt{W + 7} = 16 \quad W = \underline{\quad}$$

$$14 - X^2 = 5 \quad X = \underline{\quad}$$

$$18 - \sqrt{X} = 16 \quad X = \underline{\quad}$$

$$Y^2 + 4 = 29 \quad Y = \underline{\quad}$$

$$\sqrt{Y + 4} = 10 \quad Y = \underline{\quad}$$

$$40 - Z^2 = 4 \quad Z = \underline{\quad}$$

$$20 - \sqrt{Z} = 13 \quad Z = \underline{\quad}$$

$$2W + 3 = 11 \quad W = \underline{\quad}$$

$$3W + 2 = 17 \quad W = \underline{\quad}$$

$$7X - 5 = 9 \quad X = \underline{\quad}$$

$$8X - 5 = 11 \quad X = \underline{\quad}$$

$$2 + 3Y = 17 \quad Y = \underline{\quad}$$

$$9 + 2Y = 17 \quad Y = \underline{\quad}$$

$$17 - 2Z = 11 \quad Z = \underline{\quad}$$

$$19 - 3Z = 7 \quad Z = \underline{\quad}$$

**Algebraic Equations \*\*\* Activity 1 B**

**Cover Algebraic Term with Unknown Variable! Determine Solution to Equation!**

**Uncover Algebraic Term & Determine value of Variable!**

**Check Determined Value by Substitution, to Verify Value is Solution to Equation!**

$$W^2 + 2 = 38 \quad W = \underline{\quad}$$

$$\sqrt{W + 7} = 13 \quad W = \underline{\quad}$$

$$60 - X^2 = 11 \quad X = \underline{\quad}$$

$$18 - \sqrt{X} = 16 \quad X = \underline{\quad}$$

$$Y^2 + 5 = 56 \quad Y = \underline{\quad}$$

$$\sqrt{Y + 4} = 11 \quad = \underline{\quad}$$

$$70 - Z^2 = 8 \quad Z = \underline{\quad}$$

$$20 - \sqrt{Z} = 11 \quad Z = \underline{\quad}$$

$$2W + 5 = 23 \quad W = \underline{\quad}$$

$$3W + 2 = 20 \quad W = \underline{\quad}$$

$$2X - 5 = 9 \quad X = \underline{\quad}$$

$$2X - 5 = 1 \quad X = \underline{\quad}$$

$$5 + 3Y = 17 \quad Y = \underline{\quad}$$

$$9 + 2Y = 13 \quad Y = \underline{\quad}$$

$$27 - 2Z = 21 \quad Z = \underline{\quad}$$

$$17 - 3Z = 5 \quad Z = \underline{\quad}$$