

Algebraic Equations *** Activity 1 A

Cover Algebraic Term with Unknown Variable! Determine Value of Algebra Term!

Uncover Algebraic Term & Determine value of Variable!

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

$$W^2 + 5 = 21 \quad W = 4$$

$$\sqrt{W} + 7 = 16 \quad W = 81$$

$$14 - X^2 = 5 \quad X = 3$$

$$18 - \sqrt{X} = 16 \quad X = 4$$

$$Y^2 + 4 = 29 \quad Y = 5$$

$$\sqrt{Y} + 4 = 10 \quad Y = 36$$

$$40 - Z^2 = 4 \quad Z = 6$$

$$20 - \sqrt{Z} = 13 \quad Z = 49$$

$$2W + 3 = 11 \quad W = 4$$

$$3W + 2 = 17 \quad W = 5$$

$$7X - 5 = 9 \quad X = 2$$

$$8X - 5 = 11 \quad X = 2$$

$$2 + 3Y = 17 \quad Y = 5$$

$$9 + 2Y = 17 \quad Y = 4$$

$$17 - 2Z = 11 \quad Z = 3$$

$$19 - 3Z = 7 \quad Z = 4$$

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!

$$W^2 + 2 = 38 \quad W = 6 \quad \sqrt{W} + 7 = 13 \quad W = 36$$

$$60 - X^2 = 11 \quad X = 7 \quad 18 - \sqrt{X} = 16 \quad X = 4$$

$$Y^2 + 5 = 56 \quad Y = 9 \quad \sqrt{Y} + 4 = 11 \quad Y = 49$$

$$70 - Z^2 = 6 \quad Z = 8 \quad 20 - \sqrt{Z} = 11 \quad Z = 81$$

$$2W + 5 = 23 \quad W = 9 \quad 3W + 2 = 20 \quad W = 6$$

$$2X - 5 = 9 \quad X = 7 \quad 2X - 5 = 1 \quad X = 3$$

$$5 + 3Y = 17 \quad Y = 4 \quad 9 + 2Y = 13 \quad Y = 2$$

$$27 - 2Z = 21 \quad Z = 3 \quad 17 - 3Z = 5 \quad Z = 4$$