

Name: _____ Period: _____ Date: _____

An Introduction to Equations Exit Quiz

Tell whether each equation is true, false, or open. Explain.

1. $2 + 7 - 6 = 8 + (-2)$

2. $17x + 15 = 100$

3. $15 - 2 = 20 - 8$

Find the solution of each equation using a table. If the solution lies between two consecutive integers, identify those integers.

4. $14 = 9 + (-2x)$

5. $3x = 15$

An Introduction to Equations Exit Quiz

ANSWER

Tell whether each equation is true, false, or open. Explain.

1. $2 + 7 - 6 = 8 + (-2)$

$3 \neq 6$
FALSE

2. $17x + 15 = 100$

variable x
OPEN

3. $15 - 2 = 20 - 8$

$13 \neq 12$
FALSE

Find the solution of each equation using a table. If the solution lies between two consecutive integers, identify those integers.

4. $14 = 9 + (-2x)$

x	$= 9 + (-2x)$
-1	$= 9 + (-2)(-1)$ $= 9 + 2$ $= 11$
-2	$= 9 + (-2)(-2)$ $= 9 + 4$ $= 13$
-3	$= 9 + (-2)(-3)$ $= 9 + 6$ $= 15$

$-3 < x < -2$

5. $3x = 15$

x	$= 3x$
4	$= 3(4)$ $= 12$
5	$= 3(5)$ $= 15$
6	$= 3(6)$ $= 18$

$x = 5$