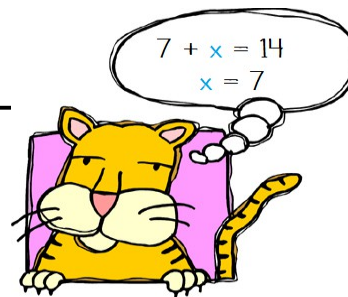


Name: _____

Algebraic Equations



Tell whether each algebraic equation is correct.
Write true or not true on the line next to each.

- $a - 6 = 4, a = 10$ _____
- $\frac{c}{12} = 2, c = 6$ _____
- $\frac{d}{6} = 3, d = 18$ _____
- $8z = 48, z = 7$ _____
- $x + x + 7 = 16, x = 4$ _____
- $\frac{30}{5} = h, h = 6$ _____
- $\frac{8}{i} = 1, i = 8$ _____
- $13 - z = 8, z = 4$ _____

If the algebraic equation shown is true, write true on the line. If the algebraic equation is not true, cross out the value for the variable and write a new value on the line to make it true.

example: $a - 1 = 6, a = 8$ _____

Since this is not true, cross out the 8 and write a = 7 on the line.

- $9 - w = 1, w = 9$ _____
- $\frac{p}{2} = 5, p = 10$ _____



Preview

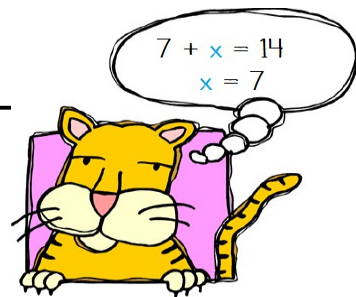
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the printable version of this worksheet.

- Is this equation in the box to the right always false, no matter what value you give the variable?
Explain your answer.

0b = 4

Name: _____

Algebraic Expressions



Tell whether each algebraic equation is correct.
Write true or not true on the line next to each.

1. $a - 6 = 4, a = 10$ true

2. $\frac{c}{12} = 2, c = 6$ not true

3. $\frac{d}{-3} = 3, d = 18$ true

4. $8z = 48, z = 7$ not true

5.

7.

If
tru

Preview

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not

9.

11

13

15



17. Is this equation in the box to the right always false, no matter what value you give the variable? Explain your answer.

$0b = 4$

Yes, it is always false. Anything times zero will always equal zero. There is nothing you can multiply by zero to make 4.