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## Skills Maintenance

## Balanced Scales

## Activity 1

Use cancellation and the balance scales to find the value of a certain shape in each problem.


1. What is the value of $\Delta$ in the scale?

$\triangle$ $\qquad$
2. What is the value of $\bigcirc$ in the scale?

$\bigcirc=$ $\qquad$
3. What is the value of $\square$ in the scale?

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## $\stackrel{\%}{\overline{<}} \div$ Apply Skills <br> Equations With Variables

## Activity 1

Solve the equations using special symbols and properties. Check your answer by substituting the value of the variable back into the original equation. Remember that gray symbols represent negatives.


1. $y-5=4$ Show your work here:

Check your answer here: $\qquad$
2. $z+3=-2$ Show your work here:

Check your answer here: $\qquad$
$\qquad$ Date $\qquad$

## Problem-Solving Activity

Determining Measurements of Angles
Use algebraic equations to find the missing angle measurements in each problem. Be sure to show all of your work.

1. What is the measure of $\angle \mathrm{b}$ ? $\qquad$

2. What is the measure of $\angle r$ ? $\qquad$

3. What is the measure of $\angle c$ ? $\qquad$

$\qquad$
$\qquad$
4. What is the measure of $\angle v$ ? $\qquad$

5. What is the measure of $\angle \mathrm{j}$ ? $\qquad$

