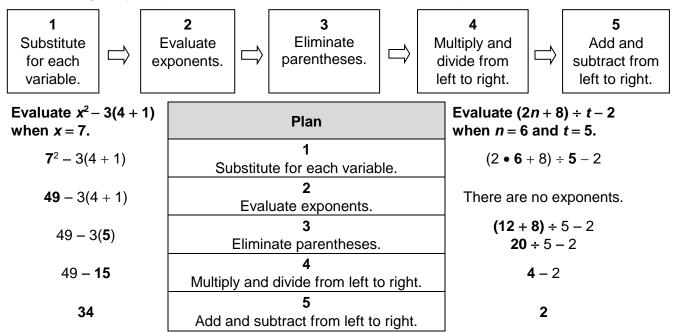
## LESSON **Evaluating Expressions** 10-2 Reading Strategies: Use a Flowchart

A flowchart gives you a plan. You can use a flowchart to evaluate expressions.



## Use the flowchart to evaluate each expression.

1.	Plan	Evaluate $(5 + y) - 3^2$ when $y = 14$ .
	1	
	Substitute for each variable.	
	2	
	Evaluate exponents.	
	3	
	Eliminate parentheses.	
	4	
	Multiply and divide from left to right.	
	5	
	Add and subtract from left to right.	

2.	Plan	Evaluate $m^2 - 2(3p + 6)$ when $m = 10$ and $p = 4$ .
	1	
	Substitute for each variable.	
	2	
	Evaluate exponents.	
	3	
	Eliminate parentheses.	
	4	
	Multiply and divide from left to right.	
	5	
	Add and subtract from left to right.	

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## **Reading Strategies**

1.  $(5 + 14) - 3^2$ ; (5 + 14) - 9;19 – 9; There is no multiplication or division; 10  $2.10^2 - 2(3 \sqcup 4 + 6);$ 100 - 2(12 + 6);100 – 2 ⊔ 18; 100 - 36; 64

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