

# Quiz5

**Due** Feb 5 at 12pm

**Points** 8

**Questions** 8

**Available** Jan 31 at 12am - Feb 5 at 12pm

**Time Limit** 8 Minutes

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	8 minutes	7 out of 8

⚠ Correct answers will be available on Feb 5 at 2pm.

Score for this quiz: **7** out of 8

Submitted Jan 31 at 5:24pm

This attempt took 8 minutes.

### Question 1

1 / 1 pts

Considering the following CFG rules, which sentence is not acceptable?

(1) *sentence* ::= *nounphrase verbphrase* .

(2) *nounphrase* ::= *article noun*

(3) *article* ::= a | the

(4) *noun* ::= girl | dog

(5) *verbphrase* ::= *verb nounphrase*

(6) *verb* ::= sees | pets

☒ the girl sees the pets

☐ the dog pets a girl

☐ a dog pets the dog

☐ a girl sees the girl

## Question 2

1 / 1 pts

In each CFG rule a terminal is defined.

☐ True

☒ False

## Question 3

1 / 1 pts

Starting symbol is a terminal from which the derivation starts.

☐ True

☒ False

## Question 4

1 / 1 pts

BNF format is used to specify CFG rules.

☒ True

☐ False

Incorrect

## Question 5

0 / 1 pts

Given a derivation, a single parse tree can be made out of it.

☐ True

☒ False

### Question 6

1 / 1 pts

Abstract syntax trees are used by evaluators, rather than parse trees.

☒ True

☐ False

### Question 7

1 / 1 pts

Abstract syntax may eliminate nodes of parse trees that play significant roles in the evaluation.

☐ True

☒ False

### Question 8

1 / 1 pts

Any regular expression can be specified as a CFG rules.

☒ True

☐ False

Quiz Score: **7** out of 8