

- (a) Self-contained is defined as a class in which one teacher teaches all or most subjects to one class of students.
- (b) An assignment in a self-contained classroom for All General Subjects, Grades 6-8, is allowed with one of the following certificates.
  - (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (2) Bilingual Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
  - (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
  - (5) Core Subjects: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (6) Core Subjects with Science of Teaching Reading: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (7) Elementary--General.
  - (8) Elementary--General (Grades 1-6) (Grade 6 only).
  - (9) Elementary--General (Grades 1-8).
  - (10) Elementary Early Childhood Education (Prekindergarten-Grade 6) (Grade 6 only).
  - (11) Elementary Self-Contained (Grades 1-8).
  - (12) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (13) English as a Second Language Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (14) Generalist: Early Childhood-Grade 6 (Grade 6 only).
  - (15) Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (16) Prekindergarten-Grade 6--General (Grade 6 only).

*Statutory Authority: The provisions of this §231.41 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.41 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective July 21, 2022, 47 TexReg 4319.*

- (a) An assignment in a departmentalized classroom for All General Subjects, Grade 6, for a holder of a valid elementary level certificate is allowed with one of the following certificates.
  - (1)

- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
  - (6) Core Subjects: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (7) Core Subjects with Science of Teaching Reading: Grades 4-8 (English language arts, mathematics, science, and social studies only).
  - (8) English as a Second Language Generalist: Early Childhood-Grade 6.
  - (9) English as a Second Language Generalist: Grades 4-8 (English, language arts, mathematics, science, and social studies only).
  - (10) Generalist: Early Childhood-Grade 6.
  - (11) Generalist: Grades 4-8 (English language arts, mathematics, science, and social studies only).
- (b) Requirements for a holder of a secondary or all-level certificate in a departmentalized Grades 6-8 assignment are specified for each subject area in this subchapter.

*Statutory Authority: The provisions of this §231.43 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.43 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for English Language Arts, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-

- (21) Junior High School or High School--English.
- (22) Junior High School or High School--English Language Arts, Composite.
- (23) Secondary English (Grades 6-12).
- (24) Secondary English Language Arts, Composite (Grades 6-12).
- (25) Secondary or all-level teacher certificate plus 18 semester credit hours in English.

*Statutory Authority: The provisions of this §231.45 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.45 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474;*

An assignment in a departmentalized classroom for Reading (at or above grade level), Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (2) Bilingual Generalist: Grades 4-8.
- (3) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (5) Core Subjects: Grades 4-8.
- (6) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (7) Elementary English (Grades 1-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (8) Elementary Reading (Grades 1-8).
- (9) Elementary teacher certificate plus 18 semester credit hours in English and nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (10) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (11) English as a Second Language Generalist: Grades 4-8.
- (12) English Language Arts and Reading: Grades 4-8.
- (13) English Language Arts and Reading with Science of Teaching Reading: Grades 4-8.
- (14) English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (15) English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (16) English Language Arts and Reading/Social Studies: Grades 4-8.
- (17) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (18) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (19) Generalist: Grades 4-8.
- (20) Junior High School or High School--English.
- (21) Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (22) Junior High School or High School--Reading.
- (23) Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (24) Reading Specialist.
- (25) Reading Specialist (Early Childhood-Grade 12).
- (26) Secondary English (Grades 6-8). This assignment requires verifiable preparation in teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

- (27) Secondary English Language Arts, Composite (Grades 6-8). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading 7Tj0.007 .2 (r)1. re

- (14) English Language Arts and Reading: Grades 7-12 (Grades 7 and 8 only).
- (15) English Language Arts and Reading: Grades 8-12 (Grade 8 only).
- (16) English Language Arts and Reading/Social Studies: Grades 4-8.
- (17) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (18) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (19) Generalist: Grades 4-8.
- (20) Grades 6-12 or Grades 6-8--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (21) Grades 6-12 or Grades 6-8--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (22) Grades 6-12 or Grades 6-8--Reading.
- (23) Junior High School or High School--English. This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (24) Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (25) Junior High School or High School--Reading.
- (26) Legacy Master Reading Teacher (Early Childhood-Grade 12).
- (27) Reading Specialist.
- (28) Reading Specialist (Early Childhood-Grade 12).
- (29) Secondary English (Grades 6-12). This assignment requires verifiable preparation in the teaching of reading such as in-service, seminar, or college course in reading. Initial assignments beginning with the 1990-1991 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (30) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours of reading. Initial assignments beginning with the 2003-2004 school year require nine semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.
- (31) Secondary Reading (Grades 6-12).
- (32) Teacher certificate plus 9 semester credit hours of upper-division coursework in reading with at least one course in diagnostic reading techniques.

*Statutory Authority: The provisions of this §231.51 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.51 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective December 27, 2020, 45 TexReg 9183; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Speech, Grades 6-8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) All-Level Speech Communications/Theatre Arts (Prekindergarten-Grade 12).
- (2) All-Level Speech and Drama.
- (3) Elementary Speech.
- (4) Elementary Speech Communications (Grades 1-8).
- (5) Elementary teacher certificate plus 12 semester credit hours in speech.
- (6) Grades 6-12 or Grades 6-8--English Language Arts, Composite. This assignment includes at least six semester credit hours in speech.
- (7) Grades 6-12 or Grades 6-8--Speech Communications.
- (8) Junior High School or High School--English Language Arts, Composite. This assignment includes at least six semester credit hours in speech.
- (9) Junior High School or High School--Speech.
- (10) Junior High School or High School--Speech and Drama.
- (11) Secondary English Language Arts, Composite (Grades 6-12). This assignment includes at least six semester credit hours in speech.
- (12) Secondary Speech Communications (Grades 6-12).
- (13) Secondary or all-level teacher certificate plus 12 semester credit hours in speech.
- (14) Speech: Grades 7-12 (Grades 7 and 8 only).
- (15) Speech: Grades 8-12 (Grade 8 only).

*Statutory Authority: The provisions of this §231.53 issued under the Texas Education Code, §21.031(a) and*

*Statutory Authority: The provisions of this §231.55 issued under the Texas Education Code, §§21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.55 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 27, 2020, 45 TexReg 9183.*

An assignment in a departmentalized classroom for Social Studies, Grade 6, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Any elementary teacher certificate appropriate for Grade 6.
- (2) Bilingual Generalist: Early Childhood-Grade 6.
- (3) Bilingual Generalist: Grades 4-8.
- (4) Core Subjects: Early Childhood-Grade 6.
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6.
- (6) Core Subjects: Grades 4-8.
- (7) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (8) English as a Second Language Generalist: Early Childhood-Grade 6.
- (9) English as a Second Language Generalist: Grades 4-8.
- (10) English Language Arts and Reading/Social Studies: Grades 4-8.
- (11) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (12) Generalist: Early Childhood-Grade 6.
- (13) Generalist: Grades 4-8.
- (14) Grades 6-12 or Grades 6-8--Economics.
- (15) Grades 6-12 or Grades 6-8--Geography.
- (16) Grades 6-12 or Grades 6-8--Government.
- (17) Grades 6-12 or Grades 6-8--History.



- (31) Secondary Geography (Grades 6-12).
- (32) Secondary Government (Grades 6-12).
- (33) Secondary History (Grades 6-12).
- (34) Secondary Psychology (Grades 6-12).
- (35) Secondary Sociology (Grades 6-12).
- (36) Secondary Social Studies (Grades 6-12).
- (37) Secondary Social Studies, Composite (Grades 6-12).
- (38) Secondary or all-level teacher certificate plus 18 semester credit hours in social studies.
- (39) Social Studies: Grades 4-8.

*Statutory Authority: The provisions of this §231.57 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.57 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Social Studies, Grades 7 and 8, for a holder of a valid elementary, secondary, or all-level certificate is allowed with one of the following certificates.

- (1) Bilingual Generalist: Grades 4-8.
- (2) Core Subjects: Grades 4-8.
- (3) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (4) Elementary History.
- (5) Elementary History (Grades 1-8).
- (6) Elementary Social Studies (Grades 1-8).
- (7) Elementary teacher certificate plus 18 semester credit hours in social studies.
- (8) English as a Second Language Generalist: Grades 4-8.
- (9) English Language Arts and Reading/Social Studies: Grades 4-8.
- (10) English Language Arts and Reading/Social Studies with Science of Teaching Reading: Grades 4-8.
- (11) Generalist: Grades 4-8.
- (12) Grades 6-12 or Grades 6-8--History.
- (13) Grades 6-12 or Grades 6-8--Social Studies.
- (14) Grades 6-12 or Grades 6-8--Social Studies, Composite.
- (15) High School--History.
- (16) High School--Social Science, Composite.
- (17) History: Grades 7-12.
- (18) History: Grades 8-12 (Grade 8 only).
- (19) Junior High School or High School--History.
- (20) Junior High School or High School--Social Science, Composite.
- (21) Secondary History (Grades 6-12).



- (24) Physics/Mathematics: Grades 7-12 (Grades 7 and 8 only).
- (25) Physics/Mathematics: Grades 8-12 (Grade 8 only).
- (26) Secondary Mathematics (Grades 6-12).
- (27) Sec

- (27) Junior High School or High School--Science.
- (28) Junior High School or High School--Science, Composite.
- (29) Legacy Master Science Teacher (Grades 4-8).
- (30) Mathematics/Science: Grades 4-8.
- (31) Science: Grades 4-8.
- (32) Secondary Biology (Grades 6-12).
- (33) Secondary Chemistry (Grades 6-12).
- (34) Secondary Earth Science (Grades 6-12).
- (35) Secondary Life/Earth Science (Grades 6-12).
- (36) Secondary Physical Science (Grades 6-12).
- (37) Secondary Physics (Grades 6-12).
- (38) Secondary Science (Grades 6-12).
- (39) Secondary Science, Composite (Grades 6-12).
- (40) Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

*Statutory Authority: The provisions of this §231.63 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.63 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective December 27, 2020, 45 TexReg 9183; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Science, Grades 7 and 8, is allowed with one of the following certificates.

- (1) Bilingual Generalist: Grades 4-8.
- (2) Chemistry: Grades 7-12.
- (3) Chemistry: Grades 8-12 (Grade 8 only).
- (4) Core Subjects: Grades 4-8.
- (5) Core Subjects with Science of Teaching Reading: Grades 4-8.
- (6) Elementary Biology.
- (7) Elementary Chemistry.
- (8) Elementary Earth Science.
- (9) Elementary Life/Earth Middle-School Science.
- (10) Elementary Physical Science.
- (11) Elementary Physics.
- (12) Elementary Biology (Grades 1-8).
- (13) Elementary Chemistry (Grades 1-8).
- (14) Elementary Earth Science (Grades 1-8).
- (15) Elementary Life/Earth Middle-School Science (Grades 1-8).

(16) Elementary Physical Science (Grades 1-8).

- (53) Secondary Earth Science (Grades 6-12).
- (54) Secondary Life/Earth Science (Grades 6-12).
- (55) Secondary Physical Science (Grades 6-12).
- (56) Secondary Physics (Grades 6-12).
- (57) Secondary Science (Grades 6-12).
- (58) Secondary Science, Composite (Grades 6-12).
- (59) Secondary or all-level teacher certificate plus 18 semester credit hours in any combination of sciences.

*Statutory Authority: The provisions of this §231.65 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.65 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective October 8, 2015, 40 TexReg 6890; amended to be effective December 27, 2020, 45 TexReg 9183; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Health, Grades 6-8, is allowed with one of the following certificates.

- (1) All-Level Health and Physical Education.
- (2) All-Level Physical Education.
- (3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (6) Elementary Health.
- (7) Elementary Health and Physical Education.
- (8) Elementary Physical Education.
- (9) Elementary Health (Grades 1-8).
- (10) Elementary Health and Physical Education (Grades 1-8).
- (11) Elementary Physical Education (Grades 1-8).
- (12) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (13) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (14) Grades 6-12 or Grades 6-8--Health.
- (15) Grades 6-12 or Grades 6-8--Physical Education.
- (16) Health: Early Childhood-Grade 12.
- (17) Junior High School or High School--Health.
- (18) Junior High School or High School--Health and Physical Education.
- (19) Junior High School or High School--Physical Education.
- (20) Physical Education: Early Childhood-Grade 12.
- (21) Secondary Health (Grades 6-12).
- (22) Secondary Physical Education (Grades 6-12).

*Statutory Authority: The provisions of this §231.67 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.67 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Physical Education, Grades 6-8, is allowed with one of the following certificates.

- (1) All-Level Health and Physical Education.
- (2) All-Level Physical Education.
- (3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (6) Elementary Health and Physical Education.
- (7) Elementary Physical Education.
- (8) Elementary Physical Education (Grades 1-8).
- (9) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (10) Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (11) Grades 6-12 or Grades 6-8--Physical Education.
- (12) Junior High School or High School--Health and Physical Education.
- (13) Junior High School or High School--Physical Education.
- (14) Physical Education: Early Childhood-Grade 12.
- (15) Secondary Physical Education (Grades 6-12).

*Statutory Authority: The provisions of this §231.69 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), and 21.064.*

*Source: The provisions of this §231.69 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective December 29, 2014, 39 TexReg 10474; amended to be effective July 21, 2022, 47 TexReg 4319.*

An assignment in a departmentalized classroom for Art, Middle School 1-3, is allowed with one of the following certificates.

- (1) All-Level Art.
- (2) Art: Early Childhood-Grade 12.
- (3) Bilingual Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (4) Core Subjects: Early Childhood-Grade 6 (Grade 6 only).
- (5) Core Subjects with Science of Teaching Reading: Early Childhood-Grade 6 (Grade 6 only).
- (6) Elementary Art (Grades 1-8).
- (7) Elementary teacher certificate plus 18 semester credit hours in art.
- (8) English as a Second Language Generalist: Early Childhood-Grade 6 (Grade 6 only).
- (9) Generalist: Early Childhood-Grade 6 (Grade 6 only).

- (10) Grades 6-12 or Grades 6-8--Art.
- (11) Junior High School or High School--Art.
- (12) Secondary Art (Grades 6-12).
- (13) Secondary or all-level teacher certificate plus 18 semester credit hours in art.



- (6) Grades 6-12 or Grades 6-8--Theatre Arts.
- (7) Junior High School or High School--Drama.
- (8) Junior High School or High School--Speech and Drama.
- (9) Secondary Theatre Arts (Grades 6-12).
- (10) Secondary or all-level teacher certificate plus 18 semester credit hours in theatre arts/drama.
- (11) Theatre: Early Childhood-Grade 12.

*Statutory Authority: The provisions of this §231.75 issued under the Texas Education Code, §21.031(a) and §21.041(b)(1) and (2).*

*Source: The provisions of this §231.75 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective October 8, 2015, 40 TexReg 6890.*

An assignment in a departmentalized classroom for Technology Applications, Grades 6-8, is allowed with one of the following certificates.

- (1) Elementary teacher certificate plus verification of competency to teach computer literacy.
- (2) Grades 6-12 or Grades 6-8--Computer Information Systems.
- (3) Information Processing Technologies Endorsement (Level I or II).
- (4) Junior High School or High School--Computer Information Systems.
- (5) Secondary Computer Information Systems (Grades 6-12).
- (6) Secondary teacher certificate plus verification of competency to teach computer literacy.
- (7) Technology Applications: Early Childhood-Grade 12.
- (8) Technology Applications: Grades 8-12 (Grade 8 only).
- (9) Mathematics/Physical Science/Engineering: Grades 6-12.
- (10) Mathematics/Physical Science/Engineering: Grades 8-12.

*Statutory Authority: The provisions of this §231.77 issued under the Texas Education Code, §§21.003(a), 21.031(a), 21.041(b)(1) and (2), 21.0486, and 21.064.*

*Source: The provisions of this §231.77 adopted to be effective August 15, 2013, 38 TexReg 5076; amended to be effective October 8, 2015, 40 TexReg 6890; amended to be effective May 15, 2016, 41 TexReg 3304; amended to be effective October 8, 2023, 48 TexReg 5655.*

An assignment in a departmentalized classroom for Career and College ;82ent4.1 (r)-26 -1.157 Td{f2.3 (o)7 Td(c)4.)1.6e(-)1 (

