



Algebra Review 1181

Readiness Assessment Test

Thank you for considering this course for your student. Here are some tips for success in the Readiness Assessment process.

- Please do not provide your student this assessment or its contents until you are ready for him or her to complete it in a single sitting with no books, notes, or outside help. It is intended to be a spot check of retained knowledge and skill.
- Make sure you have the latest version of this assessment. Ideally, please download it and have your student complete it within one week prior to enrollment.
- Completed Readiness Assessment materials for a course should be submitted immediately after you enroll in the course.
- **Readiness Assessment materials must be submitted by uploading from the Family Account in the Enrolled Courses view.** Readiness Assessment materials are not accepted through email.
- Visit Live Chat, or email TPS Support (support@pottersschool.org) for questions or assistance.

Part I: Academic Background (to be completed by the parent)

Age/Grade

1. How old will your student be as of **October 1st** of the academic enrollment year?
2. What grade will your student be in **at the start of this course**?

Related Coursework

1. Please provide the title of the most recently completed (or in-progress) course in the same subject area or related subject area that might help assess academic readiness for this course:

Course Name:

- a. What is the student's in-progress or final course grade (numeric grade if available)?
- b. What is the name of the course provider (e.g., online provider, taught at home, local college)?
- c. What is the name of the course curriculum (title and name of publisher of primary text if known)?
- d. Is the student on-track to complete the entire course/curriculum by the end of the current year (if in-progress)?
- e. How is the course evaluated? Is the work self-checked, parent-checked, or evaluated outside the home?
- f. What percentage (if any) of the student's grade is based on assessments that are completed without access to notes or outside resources and completed in a single sitting without the opportunity for rework to improve the grade?

Additional Background

1. Is your student's first language English or a different language? If different, what is his or her language background? (**Note:** Most TPS classes are designed for native English speakers, but we also provide support at several levels for students whose first language is not English.)
2. Is there additional information that might help us better know your student and understand his or her unique abilities and needs for the best course placement and academic outcome?

Part II: Readiness Test (to be completed by the student)

The readiness test is to be taken **without** the help of a calculator, book, notes, or other people.

- _____ 1. Find the equation of a line with a slope of -5 and passing through the point (-2, 3).
a. $-5x - 2y = 3$ b. $2x + 3y = 5$
c. $5x + y = -7$ d. $x + 5y = 13$
- _____ 2. Which of the following is not a solution to the equation: $y = 2x - 11$
a. (0, -11) b. (2, -11) c. (4, -3) d. (12, 13)
- _____ 3. Find 35% of 40.
a. 14 b. 1400 c. 114 d. 26
- _____ 4. Find the mean of the numbers 18, 16, 17, 20, 21, 21, 6.
a. 119 b. 17 c. 20 d. 21
- _____ 5. Find the greatest common factor of 12, 18, and 24.
a. 12 b. 6 c. 72 d. 2
- _____ 6. Evaluate $|5 - 2x| \cdot |x|$ when $x = -4$
a. 12 b. -52 c. 52 d. -12

- _____ 7. Simplify $-(-(-(-p)))$
 a. p b. $-p$ c. 5 d. $5p$
- _____ 8. The ordered pair $(-7, 2)$ would be graphed in which quadrant?
 a. I b. II c. III d. IV
- _____ 9. Solve $\frac{b+3}{-2} = \frac{b}{2}$
 a. -3 b. 3 c. $\frac{3}{4}$ d. $\frac{-3}{2}$
- _____ 10. Which of the following are solutions to $-2x > 8 - 3y$?
 a. $(4, -2)$ b. $(2, 4)$ c. $(-2, 4)$ d. $(4, 2)$
- _____ 11. Sam has mowed 40 lawns and plans to add 3 lawns per week.
 Jason has 60 lawns and plans to add 2 lawns per week. In how many weeks will Sam have more lawns to mow than Jason?
 a. 21 b. 10 c. 15 d. 18
- _____ 12. Find the value of $\frac{x^3+2x^2-1}{2-x}$ when $x = -2$.
 a. 0 b. 4 c. $\frac{23}{4}$ d. $\frac{-1}{4}$
- _____ 13. Solve $4(x - 3) + 5 = 11 - 2(x + 1)$
 a. $\frac{25}{6}$ b. $\frac{8}{3}$ c. $\frac{4}{3}$ d. 8
- _____ 14. Find the product $\frac{5ab}{25a^2b} \cdot \frac{30a^4b^3}{2ab}$
 a. a^2b^2 b. $3a^2b^2$ c. $6ab$ d. $3ab$
- _____ 15. Find the slope of the line through the points $(-3, 10)$, $(4, -1)$.
 a. $\frac{-7}{11}$ b. $\frac{1}{9}$ c. $\frac{-11}{7}$ d. $\frac{9}{7}$

- _____ 16. Find the slope of the line through the points (2, -6) and (2, 2)
- a. 0 b. 8 c. 4 d. undefined
- _____ 17. Kelly bought a pair of jeans for \$55 and a shirt for \$19. The sales tax was 8.25%. What was the total cost of her purchase?
- a. \$80.11 b. \$74 c. \$79.10 d. \$75
- _____ 18. A number was multiplied by -4 and decreased by 6. If the result was 34, what was the number?
- a. 7 b. -7 c. 10 d. -10
- _____ 19. There are 30 students in the end of the year drawing for a new iPad. There are 5 of these students enrolled in Algebra. What is the probability that an Algebra student will win the iPad?
- a. $\frac{1}{30}$ b. $\frac{1}{6}$ c. $\frac{1}{5}$ d. 5
- _____ 20. Find the least common multiple of 14, 21, and 24.
- a. 42 b. 336 c. 168 d. 7056