Trinity Catholic High School

Mathematics Summer Work

College Prep, Honors & AP

Mathematics

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All Trinity Catholic High School students will be responsible for completing the IXL Summer Boost: Math. Below are instructions on how to get started.

Completion of the IXL Summer Boost: Math will be the first summative grade for Quarter 1. In order to receive full credit students must:

1. Complete the appropriate Summer Boost Skill Plan according to the chart below.
2. Reach a SMART score of at least an 80 in each daily skill (total of 20 skills).

Enrolled Course	Summer Assignment
Algebra 1 Pre-AP and CP	8th Grade Summer Boost
Geometry Pre-AP and CP	Algebra 1 Summer Boost
Algebra 2 Pre-AP and CP	Algebra 1 Summer Boost
Precalculus Honors	Algebra 2 Summer Boost
AP Precalculus	See Separate Document
AP Calculus AB	See Separate Document
Honors Calculus	Precalculus Summer Boost
AP Probability & Statistics	Algebra 2 Summer Boost
Probability & Statistics	Algebra 2 Summer Boost
Math for College Algebra	Algebra 2 Summer Boost

www.ixl.com/signin/tchs

Sign in

Username   Forgot username?

[_____] @tchs

Password   Forgot password?

[_____]

[Sign in]   ☐ Remember

Trinity Catholic High School

Login Page

Learning   Diagnostic   Analytics

Recommendations   Skill plans   Math   Language arts   Standards   Awards

Recommendations

⭐ 22 skills ⌄
suggested by your teachers

Here are all the math and language arts skills recommended just for you, based on what you've been working on recently. Explore the different types of recommendations, and click on any skill you'd like to try!

Learning Page

Learning   Diagnostic   Analytics

Recommendations   Skill plans   Math   Language arts   Standards   Awards

Skill plans

Choose Skill Plans

Your pinned skill plans

Personal ACT® study plan

Math   English   Reading

Jump to: Spotlight   State standards   Textbooks   Test preparation

SUBJECT: All subjects   GRADE: All grades

| All subjects |
| Math |
| Language arts |
| Science |
| Social studies |

Sp

IXL Weekly Boost: Math

Weekly Boost

IXL Weekly Boost: Language Arts

Summer Boost

IXL Summer Boost: Math

Choose Math

SUBJECT: Math GRADE: All grades

Spotlight

☐ 7th grade
☐ 8th grade
☐ Algebra 1
☐ Geometry
☐ Algebra 2
☐ Precalculus
☐ Calculus
☐ Higher ed
☐ Integrated 1
☐ Integrated 2

IXL Weekly Boost: Math ⌄
PK - Calc

IXL ...oost: Math ⌄
...lc

IXL Summer Adventures ⌄
K - 8th

IXL Spring Spotlight: Math ⌄
K - Calc

Choose Course

Enrolled Course	Summer Assignment
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Probability & Statistics	Algebra 2 Summer Boost
Math for College Algebra	Algebra 2 Summer Boost

Choose Course

Spotlight

IXL Weekly Boost: Math ⌄
Alg 2

IXL Summer Boost: Math ⌄
Alg 2

IXL Spring Spotlight: Math ⌄
Alg 2

Back to top ⌃

Choose Summer Boost Math

IXL Summer Boost skill plan - Algebra 2

Help rising Algebra 2 students solidify their understanding of key concepts this summer with IXL's day-by-day skill plan!

Week   1   2   3   4

🖶 Print skill plan

Math ▾   Alg 2 ▾

Get Started with the Summer Plan

1	**Days 1-5**
Day 1	Solve linear equations
Day 2	Graph circles from equations in standard form
Day 3	Solve systems of linear equations
Day 4	Write equations of parabolas in vertex form from graphs
Day 5	Multiply two binomials

Sample Week

IXL Spotlight - Algebra 2 > A.8 Solve linear equations PHF

Learn with an example ⌄

Questions answered

0

Time elapsed

00	00	16
HR	MIN	SEC

SmartScore out of 100 ?

0

Solve for q.

$$12 = {}^-4q$$

$q = $ [   ]

Submit

Work it out

Not feeling ready yet? These can help:

◆ Solve two-step linear equations

◆ Add and subtract like terms

◆ Distributive property

▦ Lesson: Multi-step equations

Sample Problem

Sorry, incorrect...

Sometimes you get it wrong!

Explanation

How do you write $\frac{1}{6}$ as a decimal?

| $0.\overline{1}$ | $0.8\overline{3}$ | $0.1\overline{6}$ | $0.0\overline{6}$ |

You answered:

| $0.\overline{1}$ | $0.8\overline{3}$ | $0.1\overline{6}$ | $0.0\overline{6}$ |

Review the Explanation

Write a bar over the repeating part of the decimal.

Reminders are Great

Divide the numerator by the denominator.

$$
\begin{array}{r}
0.166666 \\
6 \overline{)\ 1.000000} \\
\end{array}
$$

```
      0.166666
6 ) 1.000000
    - 6
      40
    - 36
       40
     - 36
        40
      - 36
         40
       - 36
          40
        - 36
           4
```

$\dfrac{1}{6}$ is equal to 0.166666..., or $0.1\overline{6}$.

Review the Solution

Got it

Ready to Move On

Learn with an example ⌄

Solve for q.

$$12 = {}^-4q$$

$q = $ ____

Submit

Questions answered

0

Time elapsed

00 00 16
HR MIN SEC

SmartScore
out of 100

0

Work it out

Not feeling ready yet? These can help:

◆ Solve two-step linear equations   ◆ Add and subtract like terms

◆ Distributive property   Lesson: Multi-step equations

Not Ready Yet?

HAVE A

GREAT

SUMMER!