

Warm Up

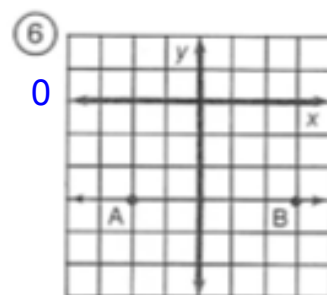
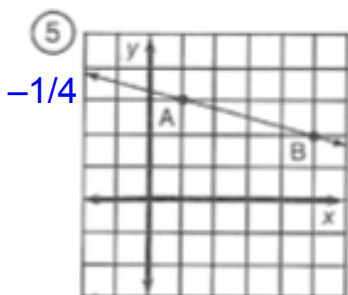
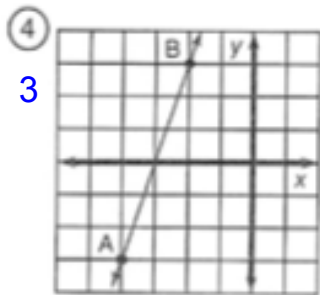
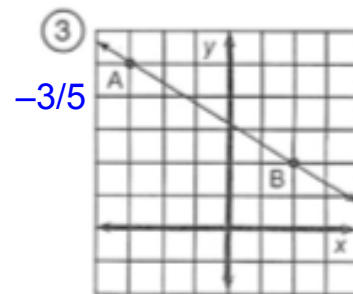
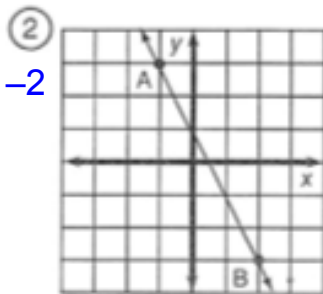
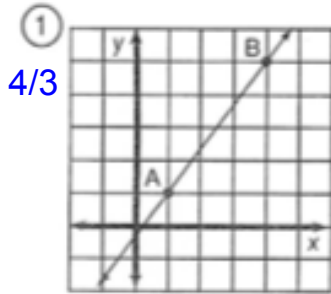
9/18

If you drew a line between the points
(4, 3) and (7, 10)
what would be the slope of the line?

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$
$$= \frac{7}{3}$$

$$+3 \left\langle \begin{array}{c} x \\ 4 \\ 7 \end{array} , \begin{array}{c} y \\ 3 \\ 10 \end{array} \right\rangle +7$$

Homework Questions?



⑦ $(2, 1); (5, 3) \quad 2/3$

⑪ $(9, 2); (3, -1) \quad 1/2$

⑮ $(-4, -8); (-2, 0) \quad 4$

⑧ $(8, 3); (2, 5) \quad -1/3$

⑫ $(-5, 8); (-4, 2) \quad 6$

⑯ $(-3, -3); (0, 0) \quad 1$

⑨ $(1, -4); (6, -2) \quad 2/5$

⑬ $(0, -1); (4, -7) \quad -3/2$

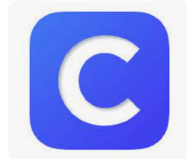
⑰ $(2, 5); (9, 1) \quad 4/7$

⑩ $(-3, 1); (-7, 4) \quad -3/4$

⑭ $(1, -1); (-2, -6) \quad 5/3$

⑱ $(0, 0); (-2, 7) \quad -7/2$

- Go to the Clever App



- Search for "Wellesley Middle School"
- Choose "log in with Google"
- Enter your WPS username and password
- Choose the IXL app
- When prompted, agree to save your login information. (If you save your info, you should be able to open IXL the next time with the icon on your iPad.)



Solve for k .

$$6 + 3k = 15$$

$k =$



I don't know this yet >

Submit

If you are REALLY stumped, you can hit "I don't know this yet."

There will be things you have not seen yet!

8th grade

Search skills

A Integers

- | | | |
|--|--|---|
| A.1 Compare and order integers | A.4 Add and subtract integers | A.7 Integer multiplication and division rules |
| A.2 Integer addition and subtraction rules | A.5 Add and subtract three or more integers | A.8 Multiply and divide integers |
| A.3 Add and subtract integers using counters | A.6 Add and subtract integers: word problems | A.9 Evaluate numerical expressions involving integers |

B Rational numbers

- | | | |
|---|--|--|
| B.1 Convert between repeating decimals and fractions | B.6 Add and subtract rational numbers | B.11 Apply multiplication and division rules |
| B.2 Convert between decimals and fractions or mixed numbers | B.7 Add and subtract rational numbers: word problems | B.12 Apply addition, subtraction, multiplication, and division rules |
| B.3 Compare rational numbers | B.8 Apply addition and subtraction rules | B.13 Evaluate numerical expressions involving rational numbers |
| B.4 Put rational numbers in order | B.9 Multiply and divide rational numbers | B.14 Multi-step word problems |

 Practice

 Assessment

 Awards

go to Assessments

Welcome to your diagnostic!

Answer questions in the diagnostic arena to reveal your levels and collect stars.



Enter your diagnostic arena



Practice



Assessment



Awards

You will work on IXL for 10-15 minutes in class before we switch to some classwork.

IXL assignments will be additional work every week. Due on Tuesdays.

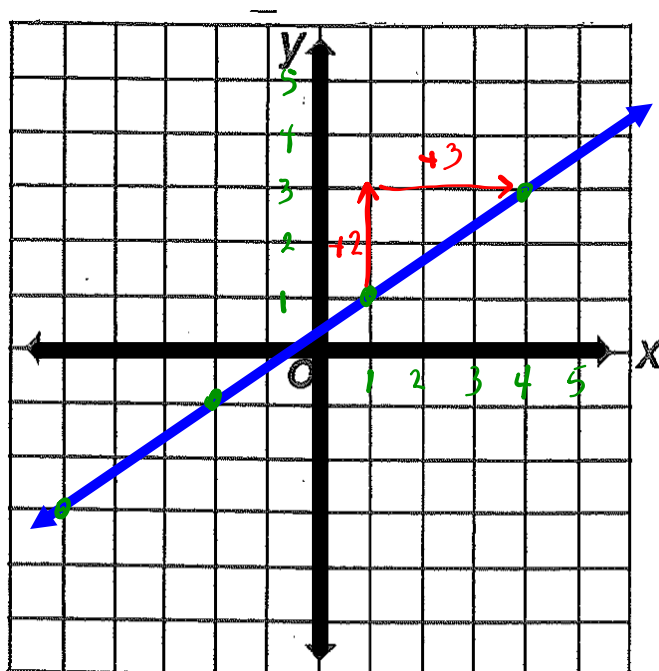
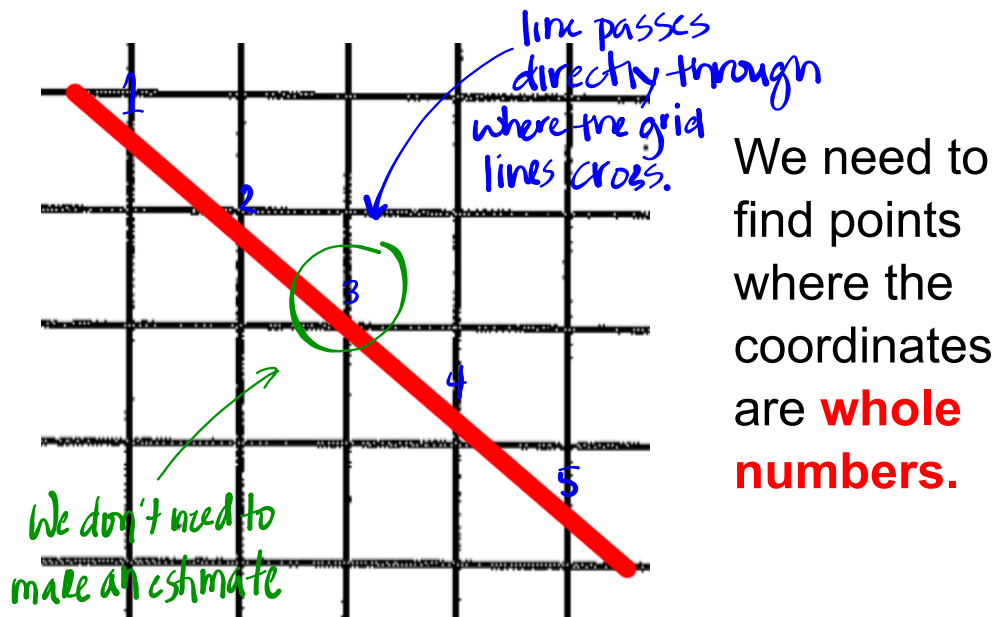
You will continue until you see:

**Your diagnostic is
currently complete.**

Needs to be completed by next Tuesday.

The Diagnostic shows what you know,
and what you're ready to learn.

How do we pick good points to calculate slope from a graph?



$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{2}{3}$$

Name _____

Classwork

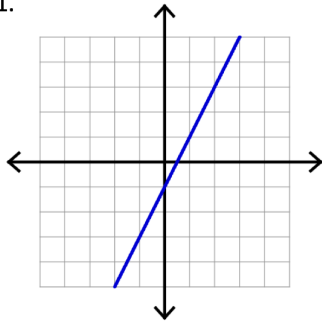
Date _____

Calculating Slope From a Graph or 2 Coordinate Pairs

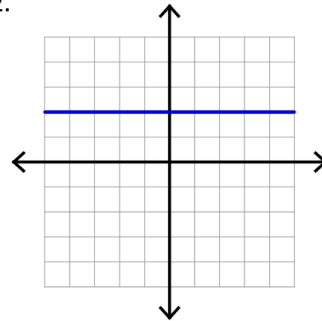
Find slope using a graph. (Make sure to select points with whole number coordinates.)

Remember: Slope = $\frac{\Delta y}{\Delta x}$ This should be written for every problem where you have to calculate slope.

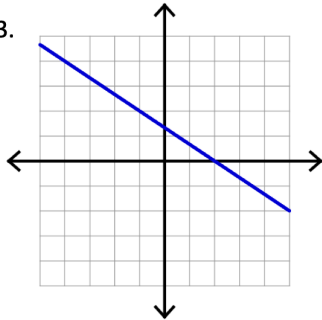
1.



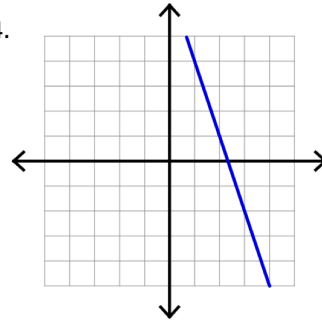
2.



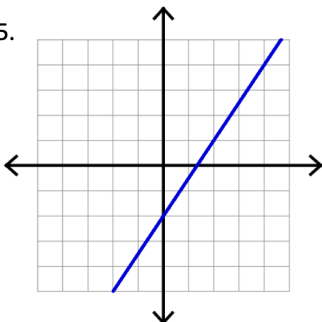
3.



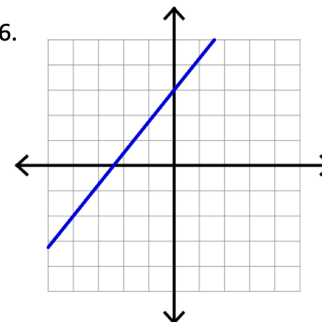
4.



5.



6.



Find the slope between two points. Show your thinking!

Remember: Slope = $\frac{\Delta y}{\Delta x}$ This should be written for every problem where you have to calculate slope.

7. (1, -19), (-2, -7)

8. (-4, 7), (-6, -4)

9. (20, 8), (9, 16)

10. (3, 0), (-11, -15)

Homework

Finish Slope Practice Worksheet

Continue with the IXL Diagnostic.