

#flo #inclass

---

## 1 | d2!

### 1.1 | hw review

read where the symbols are carefully

- they are gonna give you equations in the wrong form! always change their form
- if denominators, get rid of them
- get comfortable using fractions on the answer side!
  - much better than decimals
- 
- prepositional? parenthetical? what are these
  - prepositional can just be removed. do it!
- 
- sentence additions deletion
  - pay attention to the rational before the yes or no!

### 1.2 | core math

- index of median in 101 long is  $((101-1)/2) + 1 = 51$  convert to even, then add one!
- range is the largest val minus the smallest val

tip: get comfortable doing this by hand! else, hard to find mistakes

#### 1.2.1 | exponents

$x^y \cdot x^z = x^{y+z}$  (just add)  $x^a / x^b = x^{a-b}$  (just subtract) convert fractional exponents to radicals like so:  $x^{(a/b)} = \sqrt[b]{x^a}$  if  $a > b$ , then you can break things apart into separate radicals

#### 1.2.2 | geo

we need: - pythag! - similar triangle ratios - corresponding sides share a common ratio

tip: if they give you a shape, turn it into a right triangle or a rectangle

need to #review these..

### 1.2.3 | **linear graphs**

bottom number of slope is x value, and y is the top value

- almost never give u info that u dont need

### 1.2.4 | **baby trig**

just write down sohcahtoa this is almost all the harder math

identities they care about:  $\sin x = \cos(90-x)$

- special triangles
  - 45, 45, 90
    - \* equal sides x, hypotenuse is  $\sqrt{2}$
    - \* 1:1: $\sqrt{2}$
  - 30 60 90
    - \* opposite 30 is x
    - \* opposite 60 is  $x\sqrt{3}$
    - \* hypotenuse is 2
    - \* 1:  $\sqrt{3}$  : 2
- right triangles:
  - almost always gonna be
    - \* 3 4 5
    - \* 5 12 13 #review this too...

### 1.2.5 | **circles**

ratio will remain consistent between area angle and circumference when u get a sector?

positive x squared and y squared means it's a circle, but not necessarily in standard form

## 2 | **hw**

associated hw w/ the core math packet