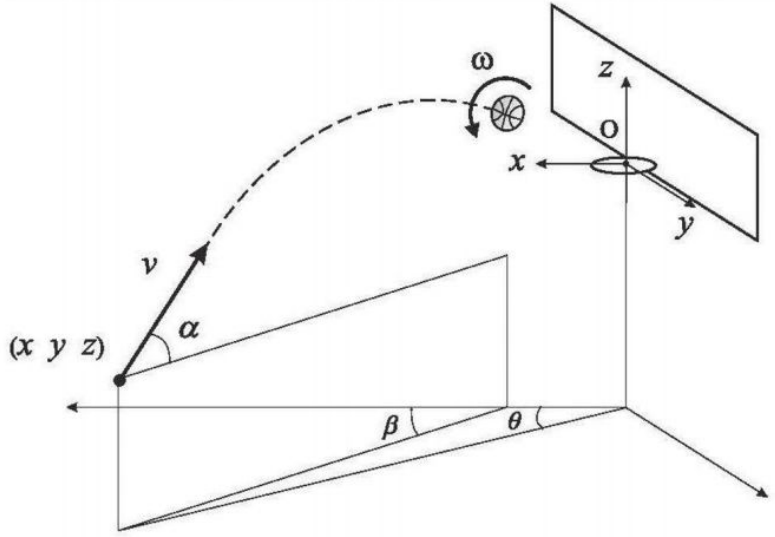
Warm-Up

Find your new seat (look at the front board)

Pick up the article from the front of the room

“The math behind the perfect free throw in basketball”

and begin reading.



Homework Check

Please use this time to review your perfect squares before we begin the quiz.

Quiz

Order of Operations and Evaluating Expressions

August 31, 2018

Tell me what you know about Order of Operations

Let’s try a problem as a class...

$$5 \times 8 + 6 \div 6 - 12 \times 2$$

Order of Operations Team Activity

Explain the rules.

Each group should have one whiteboard and one marker.

Order of Operations Team Activity

$$2[(8-4)^5 \div 8]$$

Order of Operations Team Activity

$$10-(2^3+4)\div 3-1$$

Order of Operations Team Activity

$$\frac{2[8+(67-2^6)^3]}{9}$$

Order of Operations Team Activity

$$3[42-2(10^2-9^2)]$$

Order of Operations Team Activity

Evaluate the expression for the given value of the variables.

$3(s-t)^2$; $s=4$, $t=1$

Order of Operations Team Activity

Evaluate the expression for the given value of the variables.

$3m^2-n$; $m=2$, $n=6$

Order of Operations Team Activity

Evaluate the expression for the given value of the variables.

$2p^2+(2q)^2$; p=4, q=3

Order of Operations Team Activity

Evaluate the expression for the given value of the variables.

$$\frac{3g+6}{h}$$ for $g=5, h=7$

Wrap-Up

Write a tweet that explains the order of operations.
Remember, tweets can only be 140 characters or less!

Note: Tweeting “PEMDAS” does not count.

Homework

- Textbook page 14-15 #38, 40, 46-52 even, 56, 58, 60, 66, 68, 70
- Test coming on Friday