Final Exam "Cheat Sheet"

- You may use a 3x5 inch notecard
- Back and front
- Handwritten (in your **own** handwriting)
- NO EXAMPLES
- I will collect this on Tuesday before Final Exams begin.

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$\mathbf{0.8}\boldsymbol{x} + \mathbf{0.2}\boldsymbol{y} = \mathbf{S}$$

Where **x = current** % and **y = final exam** %

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:

I have a 72% in the class and I scored a 95% on the final.

$$\mathbf{0.8(72) + 0.2(95) = 76.6\%}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:

I have a 72% in the class and I scored a 54% on the final.

$$\mathbf{0.8(72) + 0.2(54) = 68.4\%}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:

I have a 72% in the class and I scored a 65% on the final.

$$\mathbf{0.8(72) + 0.2(65) = 70.6\%}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:

I have a 72% in the class and I scored a 0% on the final.

$$\mathbf{0.8(72) + 0.2(0) = 57.6\%}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:
I have a 84% in the class, what do I need to get an A in the class? What do I need to get a B in the class? Etc…

$$0.8(\mathbf{84}) + 0.2(\boldsymbol{y}) = \mathbf{90.0}\%$$

$$67.2 + 0.2y = \mathbf{90}$$

$$0.2y = \mathbf{22.8}$$

$$y = \mathbf{114}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Example:
I have a 84% in the class, what do I need to get an A in the class? What do I need to get a B in the class? Etc…

$$0.8(\mathbf{84}) + 0.2(\boldsymbol{y}) = \mathbf{80.0}\%$$
$$67.2 + 0.2y = \mathbf{80}$$
$$0.2y = \mathbf{12.8}$$
$$y = \mathbf{64}$$

What do I need on the Final?

Use this algorithm to calculate your Semester Grade:

$$\mathbf{0.8}\boldsymbol{x} + \mathbf{0.2}\boldsymbol{y} = \mathbf{S}$$

Where **x = current** % and **y = final exam** %

$$0.8(\boldsymbol{CURRENT}\ \%) + 0.2(\boldsymbol{FINAL}\ \%) = \boldsymbol{SEMESTER\ GRADE}\%$$

Monday, December 17, 2018

- Schedule for today:
  - Let's go through ideas for your notecard!
  - Time to work/ask questions
- Tuesday: Questions from review packet
- **Final Exam Review Session**
  - **Tuesday after school until 3:15pm in room 209**

Final Breakdown (48 Questions)

- Unit 1A: Definitions of Geometry (15 Questions)
- Unit 1B: Parallel and Perpendicular Lines (6 Questions)
- Unit 2A: Transformations and Congruent Triangles (17 Questions)
- Unit 2B: Quadrilaterals (5 Questions)
- Unit 3A: Similar Triangles (5 Questions)

Notecard:

- 3 in by 5 in
- BOTH SIDES
- DO WRITE:
  - Definitions
  - Tips/tricks
  - Formulas
  - Properties
  - Diagrams
- DO NOT WRITE:
  - Worked out problems/examples

What should I write on my notecard? (Unit 1A)

- Definition of Complementary
- Vertical Angles- diagram, property
- Conditional statement (hypothesis, conclusion, counterexample)
- Angle Addition Postulate- diagram, definition
- Distance formula
- Midpoint- diagram, formula
- Given number line, how do you find another point if distance is given
- Circle- definition of radius, diameter, chord
- How to name angles

What should I write on my notecard? (Unit 1B)

- How to find the equation of a line parallel or perpendicular (point slope form)
- Angle pair relationships- diagram and properties
- Slopes of parallel and perpendicular lines
- Slope formula

What should I write on my notecard? (Unit 2A)

- Definition of Bisect
- How do you find rotational symmetry?
- Translation (both notations)
- What does it mean to be congruent?
- Reflection (both notations)
- Congruence Criterion (diagrams)
- Congruence Transformation definition
- Triangle Sum Theorem

What should I write on my notecard? (Unit 2B)

- Ways to prove a quadrilateral is a parallelogram
- Properties of a parallelogram
- Properties of a Rectangle
- Properties of a Trapezoid

What should I write on my notecard? (Unit 3A)

- Dilation- enlargement vs. reduction and their scale factors
- Scale factor=$\frac{image}{pre-image}$
- Writing proportions