Sketch a quick graph of the given model over TWO periods (label extremes and x intercepts)
 Given Model
  $f(x) = 16 \sin\left(\frac{2\pi}{20}x\right)$  

 y
 1. What is the period length of this model?\_\_\_\_\_
 2. What is the amplitude of this model?\_\_\_\_\_\_

 3. What are the first two POSITIVE solutions the given equation?  $-11 = 16 \sin\left(\frac{2\pi}{20}x\right)$  4. What are ALL of the solutions to the given equation?

 5. What are the solutions to this equation over x E [45,65]
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Name\_\_

\_\_\_\_\_ Formative Assessments basics of trigonometric Models hour\_\_\_\_\_

Sketch a quick graph of the given model over TWO periods (label extremes and x intercepts)	<b>Given Model</b> $f(x) = -20\sin\left(\frac{2\pi}{16}x\right)$
	1. What is the period length of this model?
	2. What is the amplitude of this model?
	3. What are the first two POSITIVE solutions the given equation? $18 = -20\sin\left(\frac{2\pi}{16}x\right)$
	4. What are ALL of the solutions to the given equation?
	5. What are the solutions to this equation over x E [34,52]

Sketch a quick graph of the given model over TWO periods (label extremes and x intercepts)	<b>Given Model</b> $f(x) = \frac{5}{16} \cos(12\pi x)$
	1. What is the period length of this model?
	2. What is the amplitude of this model?
	3. What are the first two POSITIVE solutions the given equation? $0.2 = \frac{5}{16} \cos(12\pi x)$
	4. What are ALL of the solutions to the given equation?
	5. What are the solutions to this equation over $x \in [0, \frac{1}{2}]$

Sketch a quick graph of the given model over TWO periods (label extremes and x intercepts)	<b>Given Model</b> $f(x) = \frac{-5}{8}\cos(24\pi x)$
	1. What is the period length of this model?
	2. What is the amplitude of this model?
	3. What are the first two POSITIVE solutions the given equation? $0.2 = \frac{-5}{8} \cos(24\pi x)$
	4. What are ALL of the solutions to the given equation?
	5. What are the solutions to this equation over $x \in [0, \frac{1}{2}]$