## Homework 12/9/19

riomework 12/9/19					
Name:		Date:			
1.	• The model is	odel of the Statue of Liberty 15 inches tall. he model to the actual statue			
	Which equation can F	Inward use to determine $x$ , the	ne height in meters, of the Sta	itue of Liberty?	
	A. $15x = 6.2$	B. $6.2x = 15$	C. $\frac{1}{6.2} = \frac{x}{15}$	D. $\frac{1}{6.2} = \frac{15}{x}$	
2.	The rectangular floor length of 9 inches. V	of a classroom is 36 feet in What is the area, in square in	length and 32 feet in width, sches, of the floor in the scale	A scale drawing of the fl drawing?	oor has a
3.	The scale of a mode length, in feet, of the		One of the cars of the model	train is 5 inches long. W	hat is the
	A. 67.5	B. 32.4	C. 14.5	D. 2.7	
	4. The circumference	of a circle is $11\pi$ inches.			
	What is the area, in	n square inches, of the circle?	Express your answer in terms	of $\pi$ .	

C. 32

D. 64

What is the radius, in centimeters, of a circle that has a circumference of  $16\pi$  centimeters?

B. 16

5.

A. 8

- 6. The circumference of a circle is  $15\pi$  centimeters. What is the area of the circle in terms of  $\pi$ ?
  - A.  $7.5\pi \text{ cm}^2$
- B.  $15\pi \text{ cm}^2$
- C.  $56.25\pi \text{ cm}^2$
- D.  $225\pi \text{ cm}^2$

7. A contractor is building the base of a circular fountain. On the blueprint, the base of the fountain has a diameter of 18 centimeters. The blueprint has a scale of three centimeters to four feet. What will be the actual area of the base of the fountain, in square feet, after it is built? Round your answer to the nearest tenth of a square foot.