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Unit 11: Volume & Surface Area  
Homework 1: Area of Plane Figures

**\*\* This is a 2-page document! \*\***

**Directions:** Find the area of each figure. Round to the hundredths where necessary.

1.



$$21 \times 33 \text{ m}^2$$

$$693 \text{ m}^2$$

2.



3.



$$A = \pi r^2$$

$$A = \pi \times (2.9)^2$$

$$26.42 \text{ ft}^2$$

4.



5.



$$A = \frac{1}{2} (\text{bases}) \times \text{height}$$

$$\frac{1}{2} (13 + 38) \times 32.7 \text{ m}^2$$

$$833.85 \text{ m}^2$$

6.



7.



$$\text{base} \times \text{height}$$

$$19 \times 7.8 \text{ yd}^2$$

$$148.2 \text{ yd}^2$$

8.



9.



$$A = 16.4 \times 11.8 \text{ ft}^2$$

$$193.52 \text{ ft}^2$$

10.



1.



# Geometry Unit 11 Key Test

**Reza Nazari**



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