

3.3 Literal Equations (Day 2 HW)

Name _____ Date _____

Solve each equation for the variable indicated.

1. The formula for the area of a triangle is

$$A = \frac{1}{2}bh. \text{ Solve for } h.$$

2. The formula for the area of a trapezoid is

$$A = \frac{1}{2}(b_1 + b_2)h. \text{ Solve for } b_1.$$

3. The formula for the area of a circle is

$$A = \pi r^2. \text{ Solve for } r.$$

4. The formula for the volume of a cylinder

$$\text{is } V = \pi r^2 h. \text{ Solve for } h.$$

5. The formula for the volume of a pyramid

is $V = \frac{1}{3}lwh$. Solve for w .

6. The formula for the volume of a sphere is

$V = \frac{4}{3}\pi r^3$. Solve for r .