

## MTH 28.5 LECTURE NOTES (Ojakian)

### Topic 8: Solving in Formula

---

#### OUTLINE

(References: 2.3)

#### 1. Solving Formula for a Variable

---

##### 1. Well known formulas

- (a)  $A = L \cdot W$  (Area of Rectangle)
- (b)  $A = \frac{b \cdot h}{2}$  (Area of Triangle)
- (c)  $P = 2L + 2W$  (Perimeter of Rectangle)
- (d)  $F = C \cdot \frac{9}{5} + 32$  (Fahrenheit vs. Celsius)
- (e)  $C = 2\pi r$  (Circumference of a circle)

##### 2. Solving for a variable

- (a) Do some basic ones ...
- (b) Solve for height in Area of Triangle.
- (c) Solve for  $C$  in Fahrenheit vs. Celsius.
- (d) Note use: Find the heights of various triangles for which Area and Base is known.