Chapter 10
Geometry and Measurement

10.2 Area of a Triangle

Pages- 518-524

NOTES (10.2) Area of a Triangle

Memorize!

$A = \frac{1}{2}bh$

Guided Practice pp 520-521

Do # 4-8 even like this

9) $A = \frac{1}{2}bh$
$A = \frac{1}{2} \cdot 6 \cdot 8$
$A = 3 \cdot 8$
$A = 24\ cm^2$

Do # 10 & 12 like this (add area of all the "pieces" together)

11) <u>rectangle</u>
$A = bh$
$A = 15 \cdot 30$
$A = 450\ in^2$

<u>triangle</u>
$A = \frac{1}{2}bh$
$A = \frac{1}{2} \cdot 30 \cdot 15$
$A = \frac{1}{2} \cdot 450$
$A = 225$

$$\begin{array}{r} 450 \\ \underline{225} \\ 675 \end{array}$$

$\boxed{A = 675\ in^2}$

Do # 14-18 even like this

13) $A = \frac{1}{2}bh$

$A = \frac{1}{2} \cdot 8 \cdot h$

$\frac{20}{4} = \frac{4h}{4}$

$h = 5$ in.

15) $A = \frac{1}{2}bh$

$30.6 = \frac{1}{2}b \cdot 6$

$\frac{30.6}{3} = \frac{3b}{3}$

$b = 10.2$cm

$10.2 = b$

 # 26 = 1 pt **# 28 = 2 pts** **# 30 = 3 pts**