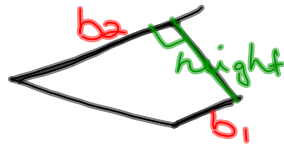
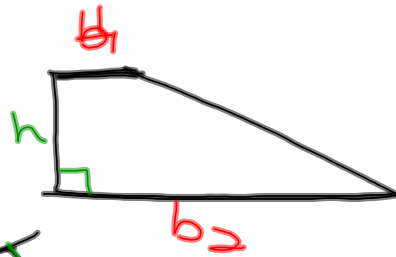
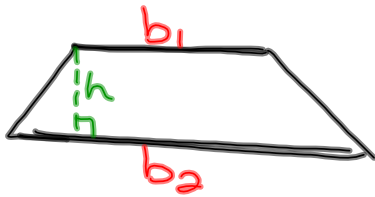


Trapezoid



product
x
sum
+

 $\frac{1}{2}$ is =

b_1
 b_2 } bases are the parallel sides

$$A = \frac{1}{2}h(b_1 + b_2) \quad \text{Trapezoid formula}$$

height = perpendicular
(right angle to the bases)

$$b.) \quad A = \frac{1}{2} 5(14 + 22)$$

$$A = \frac{1}{2} (5)(36)$$

$$A = 90 \text{ sq. cm.}$$

$$c.) \quad A = \frac{1}{2} (14)(4 + 21)$$

$$\frac{1}{2} (14)(25)$$

$$A = 175 \text{ sq. in.}$$

$$18. \frac{d}{t} = \frac{r \cancel{t}}{\cancel{t}}$$

$$\frac{d}{t} = r$$

$$\frac{D}{t} \mid \frac{u}{\div t}$$

Solve for r:

$$20 \quad 2p = \Delta - \cancel{t}$$

 $+t$ $\cancel{+t}$

$$2p + t = \Delta$$

Solve for Δ :

D	W
$-t$	$+t$

$$\begin{aligned} 22.) \quad P &= 2(l+w) \\ P &= \cancel{+2l} + 2w \\ \frac{P-2l}{2} &= \frac{2w}{2} \\ \frac{P-2l}{2} &= w \end{aligned}$$

Solve for w:

$$\frac{D}{\cdot 2} \mid \frac{w}{\div 2}$$

$P = 20$		
l	w	A
9	1	9
7	3	21

$$20 = 2(7) + 2w$$

$$20 = 14 + 2w$$

$$\begin{array}{r} 20 \\ -14 \\ \hline 6 = 2w \end{array}$$

$$6 = 2w$$

$$\frac{6}{2} = \frac{2w}{2}$$

$$3 = w$$

$$\begin{array}{r} P | w \\ \cdot 2 \quad | \quad -14 \\ +14 \quad | \quad \div 2 \end{array}$$

9
8
7
6
5
4
3
2
1
0

$$A = l \cdot w$$

$$20 = 2l + 2w$$

1.)

$$\begin{array}{r|l} 4x - 3 & = +3x + 1 \\ -3x & -3x \\ \hline 1x - 3 & = 1 \\ +3 & +3 \\ \hline 1x & = 4 \end{array}$$

$$2. \quad \begin{array}{r} 2x + 6 = 5x - 3 \\ +3 \qquad \qquad \qquad +3 \\ \hline \end{array}$$

$$\begin{array}{r} 2x + 9 = 5x \\ -2x \qquad \qquad \qquad -2x \\ \hline 9 = 3x \\ \frac{9}{3} = \frac{3x}{3} \\ \textcircled{3 = x} \end{array}$$

$$\begin{array}{r} \cancel{1x} + 8 = 3x - 4 \\ \underline{-1x} \\ +8 = 2x - 4 \\ \underline{+4} \\ 12 = 2x \\ \frac{12}{2} = \frac{2x}{2} \\ \textcircled{6} = x \end{array}$$

$$\begin{array}{r} 2x - 5 = 5x + 4 \\ \underline{-4} \qquad \underline{-4} \\ 2x - 9 = 5x \\ \underline{-2x} \qquad \underline{-2x} \\ -9 = 3x \\ \underline{-3} \qquad \underline{-3} \\ -3 = x \end{array}$$