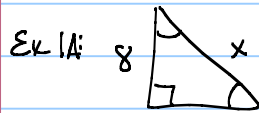
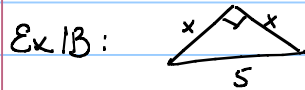


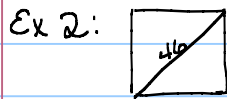
Isos rt $\triangle$



45	45	90
x	x	$x\sqrt{2}$
8		$8\sqrt{2}$



$5 = x\sqrt{2}$, $\frac{5}{\sqrt{2}} = x$, $x = \frac{5\sqrt{2}}{2}$

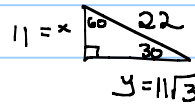


$x\sqrt{2} = 46$, $x = \frac{46}{\sqrt{2}}$, $x = \frac{46\sqrt{2}}{2}$, $x = 23\sqrt{2}$
 $\approx 32.5''$

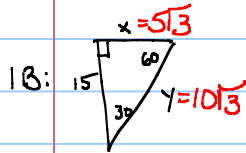
30-60-90

Ex 1A:

w	$w\sqrt{3}$	2w
11	$11\sqrt{3}$	22



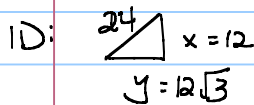
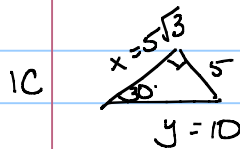
$2w = 22$, $w = 11$



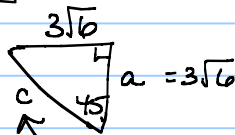
30	60	90
w	$w\sqrt{3}$	2w
$5\sqrt{3}$	15	$10\sqrt{3}$

$w\sqrt{3} = 15$
 $w = \frac{15}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{15\sqrt{3}}{3}$

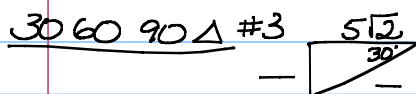
$w = 5\sqrt{3}$



Isos Rt $\triangle$ #3



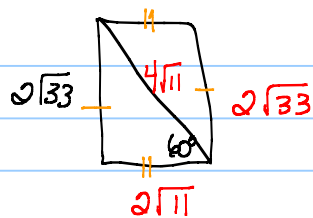
45	45	90
x	x	$x\sqrt{2}$
$3\sqrt{6}$		$(3\sqrt{6})\sqrt{2}$
		$3\sqrt{12}$
		$3\sqrt{4\sqrt{3}}$
		$3 \cdot 2\sqrt{3}$
		$6\sqrt{3}$



30	60	90
x	$x\sqrt{3}$	2x
$\frac{5}{3}\sqrt{6}$	$5\sqrt{2}$	$\frac{10}{3}\sqrt{6}$

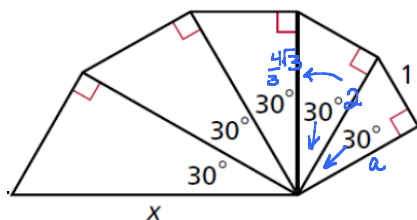
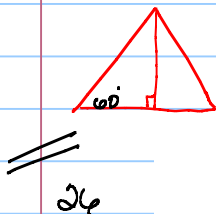
Let $x\sqrt{3} = 5\sqrt{2}$
 $x = \frac{5\sqrt{2}}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{5\sqrt{6}}{3}$

30	60	90	#6
x	$x\sqrt{3}$	2x	
$2\sqrt{11}$	$2\sqrt{33}$	$4\sqrt{11}$	



$$\text{If } \frac{x\sqrt{3}}{\sqrt{3}} = \frac{2\sqrt{33}}{\sqrt{3}}$$

$$x = 2\sqrt{11}$$



30	60	90
x	$x\sqrt{3}$	2x
1		
$\frac{2}{3}\sqrt{3}$	2	$\frac{4}{3}\sqrt{3}$
If $2 = x\sqrt{3}$		
Then $x = \frac{2\sqrt{3}}{3}$		

3rd Δ	30	60	90
	x	$x\sqrt{3}$	2x
	$\frac{4}{3}$	$\frac{4\sqrt{3}}{3}$	$\frac{8}{3}$