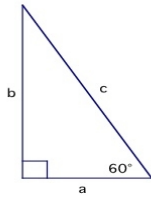
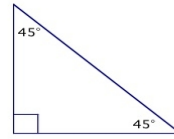


30-60-90 triangle ratios



a	b	c
3		
	$4\sqrt{3}$	
		12
$2\sqrt{3}$		
	12	
		$20\sqrt{3}$

Isosceles Right triangle (45-45-90)



a	b	c
4		
	8	
		$10\sqrt{2}$
$2\sqrt{2}$		
	$8\sqrt{2}$	
		12

Regular polygons

# of sides	Sum of Int. Angles	Measure Of 1 angle
6		
	$2520^\circ$	
		$108^\circ$
8		
	$1440^\circ$	
		$150^\circ$

Translations

Pre-image	image	vector
(1, 4)	(3, 9)	
(-1, 5)		$\langle -2, -7 \rangle$
	(4, -1)	$\langle -3, -6 \rangle$

Reflections

Pre-image	image	Line of reflection
(4, 2)	(-4, 2)	
	(3, 6)	x-axis
(-2, 5)		$x = 1$
(4, -1)	(4, 5)	

Rotations

Pre-image	image	Degrees counterclock
(5, 1)		$90^\circ$
(2, 4)		$180^\circ$
(-6, -1)		$90^\circ$
(-2, 4)	(-4, -2)	