

**Hoja de referencia del examen estatal de Ohio
Escuela Secundaria**

**Ohio's State Tests Reference Sheet
High School**

1 pie = 12 pulgadas
1 foot = 12 inches

1 taza = 8 onzas líquidas
1 cup = 8 fluid ounces

1 yarda = 3 pies
1 yard = 3 feet

1 libra = 16 onzas
1 pound = 16 ounces

1 pinta = 2 tazas
1 pint = 2 cups

1 milla = 1,760 yardas
1 mile = 1,760 yards

1 libra \approx 0.454 kilogramos
1 pound \approx 0.454 kilograms

1 cuarto de galón = 2 pintas
1 quart = 2 pints

1 milla = 5,280 pies
1 mile = 5,280 feet

1 kilogramo \approx 2.2 libras
1 kilogram \approx 2.2 pounds

1 galón = 4 cuartos de galon
1 gallon = 4 quarts

1 milla \approx 1.609 kilómetros
1 mile \approx 1.609 kilometers

1 galón \approx 3.785 litros
1 gallon \approx 3.785 liters

1 pulgada = 2.54 centímetros
1 inch = 2.54 centimeters

1 litro \approx 0.264 galones
1 liter \approx 0.264 gallons

1 kilómetro \approx 0.62 millas
1 kilometer \approx 0.62 mile

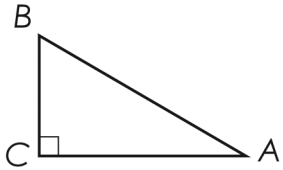
1 radián = $\frac{180}{\pi}$ grados

1 litro = 1000 centímetros cúbicos
1 liter = 1000 cubic centimeters

1 radian = $\frac{180}{\pi}$ degrees

1 metro \approx 39.37 pulgadas
1 meter \approx 39.37 inches

Relaciones en triángulos rectángulos
Right Triangle Relationships



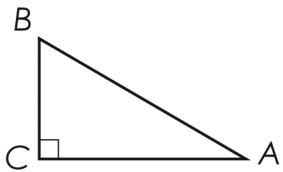
$$a^2 + b^2 = c^2$$

$$\text{sen } A = \frac{a}{c}$$

$$\text{cos } A = \frac{b}{c}$$

$$\text{tan } A = \frac{a}{b}$$

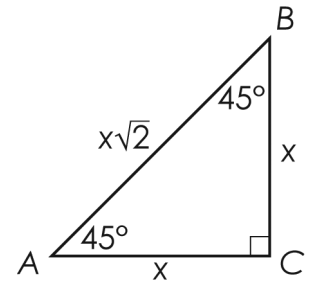
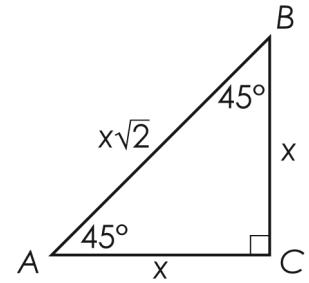
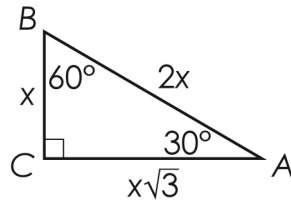
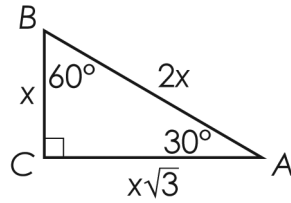
$$a^2 + b^2 = c^2$$



$$\text{sin } A = \frac{a}{c}$$

$$\text{cos } A = \frac{b}{c}$$

$$\text{tan } A = \frac{a}{b}$$



Clave Key			
$b = \text{base}$ $b = \text{base}$	$B = \text{área de la base}$ $B = \text{area of base}$	$h = \text{altura}$ $h = \text{height}$	$r = \text{radio}$ $r = \text{radius}$

Triángulo Triangle	$A = \frac{1}{2}bh$
Paralelogramo Parallelogram	$A = bh$
Círculo Circle	$C = 2\pi r$
Círculo Circle	$A = \pi r^2$
Prismas en general General Prisms	$V = Bh$
Cilindro Cylinder	$V = \pi r^2 h$
Esfera Sphere	$V = \frac{4}{3}\pi r^3$
Cono Cone	$V = \frac{1}{3}\pi r^2 h$
Pirámide Pyramid	$V = \frac{1}{3}Bh$