



## Massachusetts Comprehensive Assessment System Grade 6 Mathematics Reference Sheet

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### PERIMETER FORMULAS

perimeter = distance around

square . . . . .  $P = 4s$

rectangle . . . . .  $P = 2b + 2h$

OR

$P = 2l + 2w$

triangle . . . . .  $P = a + b + c$

### AREA FORMULAS

square . . . . .  $A = s \times s$

rectangle . . . . .  $A = bh$

OR

$A = lw$

parallelogram . . . . .  $A = bh$

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

circle . . . . .  $A = \pi r^2$

### VOLUME FORMULAS

rectangular prism . . . . .  $V = lwh$

cube . . . . .  $V = s \times s \times s$

( $s$  = length of an edge)

### CIRCLE FORMULAS

$C = 2\pi r$

OR

$C = \pi d$

$A = \pi r^2$