Cheatography

SAT Cheat Sheet by Celia (CCRoses) via cheatography.com/118676/cs/31127/

Slopes and Graphs	
slope	(y2-y1)/(x2-x1)
equation of a line	y=mx+b
midpoint	(x2+x1/2, y2+y1/2)
distance between two poin	ts $\sqrt{(x^2-x^1)^2 + (y^2-y^1)^2}$
Arcs	
length of an arc	(2πr)(degree measure of arc/360)

area of an arc sector	(πr^2) (degree measure of arc/360)

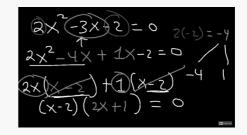
Trigonometry

sin(x)	opposite/hypotenuse
cos(x)	adjacent/hypotenuse
tan(x)	opposite/adjacent
to find the length of a side, simply substitute the other side and the	

angle into the above equations and solve

Factoring	
simple (a=1)	given ax^2+bx+c , find two numbers that multiply to c and add to b
completing the square (a does not equal 1)	given ax ² +bx+c, find two numbers that multiply to ac and add to b; replace the middle term with the two numbers in terms of x; split into two groups; factor out gcf; combine those inside parentheses and those outside into two groups (see below)
quadratic formula	x=(-b+/-√b ² -4ac)/2a

Completing the Square





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