## Cheatography

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

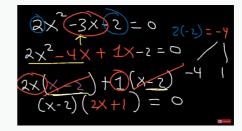
Slopes and Graphs	
slope	(y2-y1)/(x2-x1)
equation of a line	y=mx+b
midpoint	(x2+x1/2, y2+y1/2)
distance between two points	$\sqrt{(x2-x1)^2 + (y2-y1)^2}$
Arcs	

(2πr)(degree measure of arc/360)

 $(\pi r^2)$ (degree measure of arc/360)

given ax <sup>2</sup> +bx+c, find two numbers that multiply to c
and add to b
given ax <sup>2</sup> +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)
x=(-b+/-√b <sup>2</sup> -4ac)/2a

## Completing the Square





length of an arc area of an arc sector

Trigonometry

sin(x)cos(x)

tan(x)

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opposite/hypotenuse

adjacent/hypotenuse

to find the length of a side, simply substitute the other side and the

opposite/adjacent

angle into the above equations and solve

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