

## **Grade 8 Formula Sheet**

## You may use the following formulas to solve problems on this test.

Pythagorean theorem	$a^2+b^2=c^2$
Distance formula	$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
Slope of a line	$m = \frac{y_2 - y_1}{x_2 - x_1}$
Slope-intercept form	y = mx + b
Point-slope form	$y-y_1=m(x-x_1)$
Standard form	Ax + By = C
Arithmetic sequence	f(x)=mx+b
Geometric sequence	$f(x)=a(b)^{X}$