

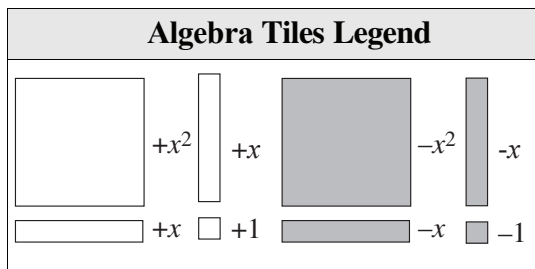
MATH 9 DATA PAGE

Metric Unit Conversions

$$1 \text{ km} = 1000 \text{ m}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ cm} = 10 \text{ mm}$$



Linear Relations

- The equation of a line:

$$y = mx + b$$

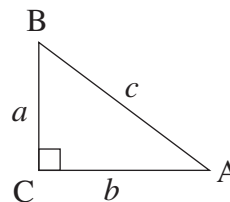
- The slope of a line:

$$m = \frac{\text{rise}}{\text{run}} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

Pythagorean Theorem

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

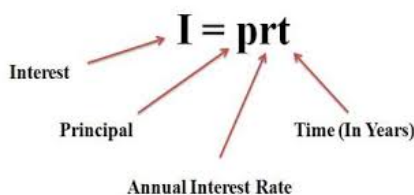
$$\text{distance} = \text{speed} \times \text{time}$$



Scale Factor

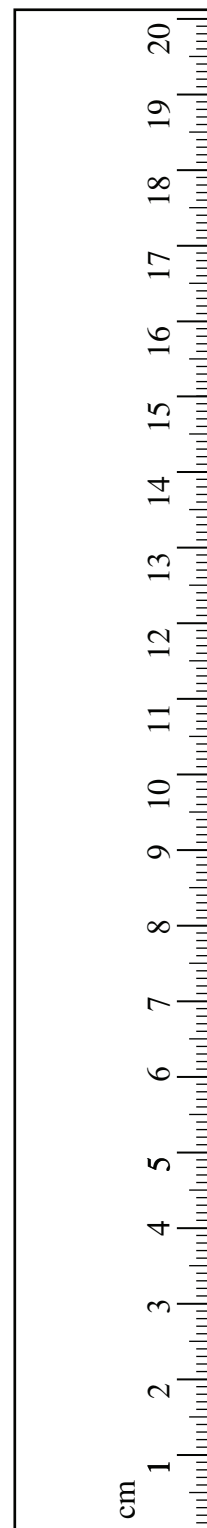
$$SF = \frac{\text{image size}}{\text{actual size}}$$

Interest



Geometric Figure	Perimeter	Area
Rectangle 	$P = 2l + 2w$ or $P = 2(l + w)$	$A = lw$
Triangle 	$P = a + b + c$	$A = \frac{bh}{2}$
Circle 	$C = \pi d$ or $C = 2\pi r$	$A = \pi r^2$

NOTE: Use the value of π programmed in your calculator rather than the approximation of 3.14.



ROUGH WORK SPACE
(No marks will be given for work done on this page.)

