

**Direct Variation** – a linear function of the form  $y = cx$ , where  $c$  is the constant of variation;  $c \neq 0$ . We say that  $y$  is directly proportional to  $x$ , i.e.  $y$  varies directly as  $x$  varies. If  $x$  is doubled, tripled or halved, then  $y$  is also doubled, tripled, or halved. If  $x$  increases one unit, then  $y$  increases  $c$  units.