

Author: SAT FREE PRACTICE Website: <a href="http://www.satfreepractice.com">http://www.satfreepractice.com</a>

## **VARIATIONS**

Exercise 5.2-part2	
f) Given that $y$ varies directly as the square root of $x$ , find the law connecting them when $y$ 10 and $x = 1$ . Hence, find the value of $y$ when $x = 4$ .	=
g) Given that $P   Q^2$ , find the law connecting them when $Q = 6$ and $P = 27$ . Hence, find $P$ when $Q = 10$ .	
h) Given that $M \approx R^2$ , find the law connecting them when $M = 40$ and $R = 4$ . Hence, find $M$ when $R = 10$ and also find $R$ when AI = 2.56.	
i) Given that $\sqrt{y}$ $\alpha z$ , find the law connecting them when $y = 4$ and $z = 3$ .	
Hence, find the value of y when $z = IS$ and also the value of z when $y = 6$ .	
j) If $y \alpha x$ , and $y = 10$ when $x = Y2$ , find $x$ when $y = 35$ .	
<del></del>	

Copyright © 2010 SAT FREE PRACTICE. All rights reserved. Email:  $\underline{info@satfreepractice.com}$ Author: SAT FREE PRACTICE Website: <a href="http://www.satfreepractice.com">http://www.satfreepractice.com</a>