mverse and	a direct pro	portionality	<u> </u>	
Name:			maths-school	
a) y is directly proportional to x. When x = 4, y = 16	Formula	i)	ii)	
i) Find the value of y when $x = 6$				
ii) Find the value of x when y = 48				
b) a is directly proportional to b. When a = 42, b = 7	Formula	i)	ii)	••••••
i) Find the value of a when b = 10				
ii) Find the value of b when a = 72				
c) b is directly proportional to g. When b = 4, g = 24	Formula	i)	ii)	
i) Find the value of b when g = 66				
ii) Find the value of g when b = 3.5				
d) p is directly proportional to the square of n. When p = 48, n = 4	Formula	i)	ii)	
i) Find the value of p when n = 2				
ii) Find the value of n when p = 147	<u></u>			
e) y is inversely proportional to x. When x = 8, y = 3	Formula	i)	ii)	
i) Find the value of y when $x = 6$				
ii) Find the value of x when y = 2				
f) a is inversely proportional to b. When a = 12, b = 5	Formula	i)	ii)	
i) Find the value of a when b = 4				
ii) Find the value of b when a = 10				
g) b is inversely proportional to g. When b = 4, g = 7	Formula	i)	ii)	
i) Find the value of b when g = 14				
ii) Find the value of g when b = 56	<u> </u>			
h) p is inversely proportional to the square of n. When p = 2, n = 5	Formula	i)	ii)	
i) Find the value of p when n = 10				
ii) Find the value of n when p = 12.5				<u></u>
Exam question:			0	ŢŒ

y is directly proportional to x^2

When x = 3, y = 45

Work out the value of x when y = 980

