Calculating with Upper and Lower Bounds			
Given that a is 40 to the nearest 10 and b is 8 correct to the nearest integer:	Given that e is 20 correct to the nearest five and f is 2.5 correct to 1 decimal place:	Given that p is 200 to 1 significant figure and q is 25 to 2 significant figures:	Given that x is 3 to the nearest integer, y is 1.5 to the nearest tenth and z is 12 to 2 significant figures:
(a)	(d)	(g)	(j)
Find the upper and lower bounds of $10a$ LB = 350 UB = 450	Find the upper and lower bounds of $e - f$ LB = 14.95 UB = 20.05	Find the upper and lower bounds of \sqrt{p} LB = 12.247449 UB = 15.811388	Find the upper and lower bounds of $2(x + z - y)$ LB = 24.9 UB = 29.1
(b)	(e)	(h)	(k)
Find the upper and lower bounds of $a + b$ LB = 42.5 UB = 53.5	Find the upper and lower bounds of $\frac{e}{f}$ LB = 6.862745 UB = 9.183673	Find the upper and lower bounds of $\frac{1000}{pq}$ LB = 0.156863 UB = 0.272109	Find the upper and lower bounds of $\frac{z}{x-y}$ LB = 7.419355 UB = 13.157895
(c)	(f)	(i)	(I)
Find the upper and lower bounds of $a \times b$ LB = 262.5 UB = 382.5	Find the upper and lower bounds of e^2 LB = 306.25 UB = 506.25	Find the upper and lower bounds of $\sqrt{\frac{1}{p-q}}$ LB = 0.066593 UB = 0.089622	Find the upper and lower bounds of $z - x \times 2^y$ LB = 1.251400 UB = 5.669799