

000000EXCELL FILE TEMPLATE
for
2019/1 TMA UPLOAD

SN	CRSCODE	QUESTION	OPTION A	OPTION B	OPTION C	OPTION D
1	MTH412	arbitrary $\{x_i\}$ and $\{y_i\}$, x in l_p, $\frac{1}{p} + \frac{1}{q} = 1$ the inequality $(\sum_{k=1}^{\infty} x_k y_k) \leq \left(\sum_{k=1}^{\infty} x_k ^p \right)^{\frac{1}{p}} \left(\sum_{k=1}^{\infty} y_k ^q \right)^{\frac{1}{q}}$ is Minkowski's Cauchy Schwarz inequality				
2	MTH412	A linear map $T: (K \times K) \rightarrow (R \text{ or } C)$ is called	A linear operator	A linear transformation	A linear functional	A nonlinear functional

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		If $u = (9, 2, 5)$ and $v = (a + c, b + 1, c - a)$ are vectors in $\mathbb{R}^3$, find the values of a, b and c given that
3	MTH412	$u = v$ $a = 7, b = 2, c = 1$ $a = 2, b = 1, c = 1$ $a = 2, b = 1, c = 2$
4	MTH412	Find the $\cos(2, 1)$ $(1, 1)$ $(3, 1)$ $(4, 2)$
5	MTH412	A complex inner product space
6	MTH412	A finite-dimensional inner product space
		Let E be an inner product space. Then for arbitrary $x, y \in E$, $\ x + y\ ^2$ $= \ x\ ^2$ $+ \ y\ ^2$ $+ 2 \operatorname{Re} \langle x, y \rangle$ is called
7	MTH412	Cauchy's inequality
8	MTH412	In the definition of the inner product

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		$K \cdot K_{\{1\}}$ and $K[\cdot K]_{\{1\}}$ be two norms defined on a linear space X . If there exist constants $a, b > 0$ such that $aK \leq$ $K_{\{1\}} \leq bK$ times $K_{\{2\}}$ $K_{\{1\}} \leq$ $K_{\{2\}} \leq$ bK or $aK \leq$ $K_{\{2\}} \leq$ $K_{\{1\}} \leq$ bK for all $x \in X$. Then $K \cdot K_{\{1\}}$ and $K \cdot K_{\{2\}}$ are said to An example	Regular	Invariant	None of the
9	MTH412		Equivalent		
10	MTH412	$\ (L_{\{1\}}(R) \cdot L_{\{p\}}(k) = L_{\{2\}}(R) \cdot L_{\{3\}}(p) =$			

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