**ĐÁP ÁN**

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| **Câu** | **Lời giải** | **Điểm** |
| **Câu 1** |  $\begin{array}{c}A∩B=\left(-1;0\right)\\A∪B=\left(-2;5\right]\\A\B=\left(-2;-1\right]\\R\(A∪B)=(-\infty ;-2]∪(5;+\infty )\end{array}$ | 0.50.50.50.5 |
| **Câu 2** | $$y=\frac{\sqrt{7-x}}{(x-6)\sqrt{3x+15}}$$Đk $\left\{\begin{array}{c}7-x\geq 0\\x-6\ne 0\\3x+15>0\end{array}⇔\left\{\begin{array}{c}x\leq 7\\x\ne 6\\x>-5\end{array}\right.\right.$  | 0.25x30.25 |
| **Câu 3** | $$\left(m^{2}-4\right)x+2m+4=0$$Ycbt $⇔\left\{\begin{array}{c}m^{2}-4=0\\2m+4=0\end{array}\right.⇔\left\{\begin{array}{c}\left[\begin{array}{c}m=2\\m=-2\end{array}\right.\\m=-2\end{array}\right.⇔m=-2$ |  0.25x4 |
| **Câu 4** | $a) \left|2x-1\right|=x+3 $$$\begin{array}{c}⇔\left\{\begin{array}{c}x+3 \geq 0\\\left[\begin{array}{c}2x-1=x+3 \\2x-1=-(x+3) \end{array}\right.\end{array}\right.\\⇔\left\{\begin{array}{c}x\geq -3\\\left[\begin{array}{c}x=4\\3x=-2\end{array}\right.\end{array}\right.\end{array}$$$ ⇔\left\{\begin{array}{c}x\geq -3\\\left[\begin{array}{c}x=4(n)\\x=\frac{-2}{3}(n)\end{array}\right.\end{array}\right.$ Vậy tập nghiệm của phương trình $S=\left\{\frac{-2}{3};4\right\}$$$\begin{array}{c}b) \sqrt{x^{2}-4x-12}=2x+3\\⇔\left\{\begin{array}{c}2x+3\geq 0\\x^{2}-4x-12\leq (2x+3)^{2}\end{array}\right.\\⇔\left\{\begin{array}{c}x\geq \frac{-3}{2}\\-3x^{2}-16x-21=0\end{array}\right.\\⇔\left\{\begin{array}{c}x\geq \frac{-3}{2}\\\left[\begin{array}{c}x=-3(l)\\x=\frac{-7}{3}(l)\end{array}\right.\end{array}\right.\\\\  =>S=∅\end{array}$$ | 0.250.250.250.250.250.250.250.25 |
| **Câu 5** | $$\begin{array}{c}AB^{2}=CB^{2}+AC^{2}-2.CB.AC.cos C\\⇔12^{2}=5^{2}+AC^{2}-2.5.AC.cos 37^{0}\\⇒\left[\begin{array}{c}AC≈15,6m(n)\\AC≈-7,62m(l)\end{array}\right.\end{array}$$ |  0.250.250.250.25 |
| **Câu 6** | ABCD là hình bình hành  | 0.250.50.25 |
| **Câu 7** | a. . Ta có: $\frac{-4}{4}\ne \frac{4}{3}$=> không cùng phương=>A,B,C tạo thành tam giác1. G($\frac{-1}{3};\frac{5}{3})$
 | 0.250.250.250.25 |
| **Câu 8** | Tam giác ABM vuông tại M  | 0.250.250.250.25 |

 TP. Hồ Chí Minh, ngày 23 tháng 12 năm 2021

 **GIÁO VIÊN RA ĐỀ**

 *Trần Thị Ly Ly*