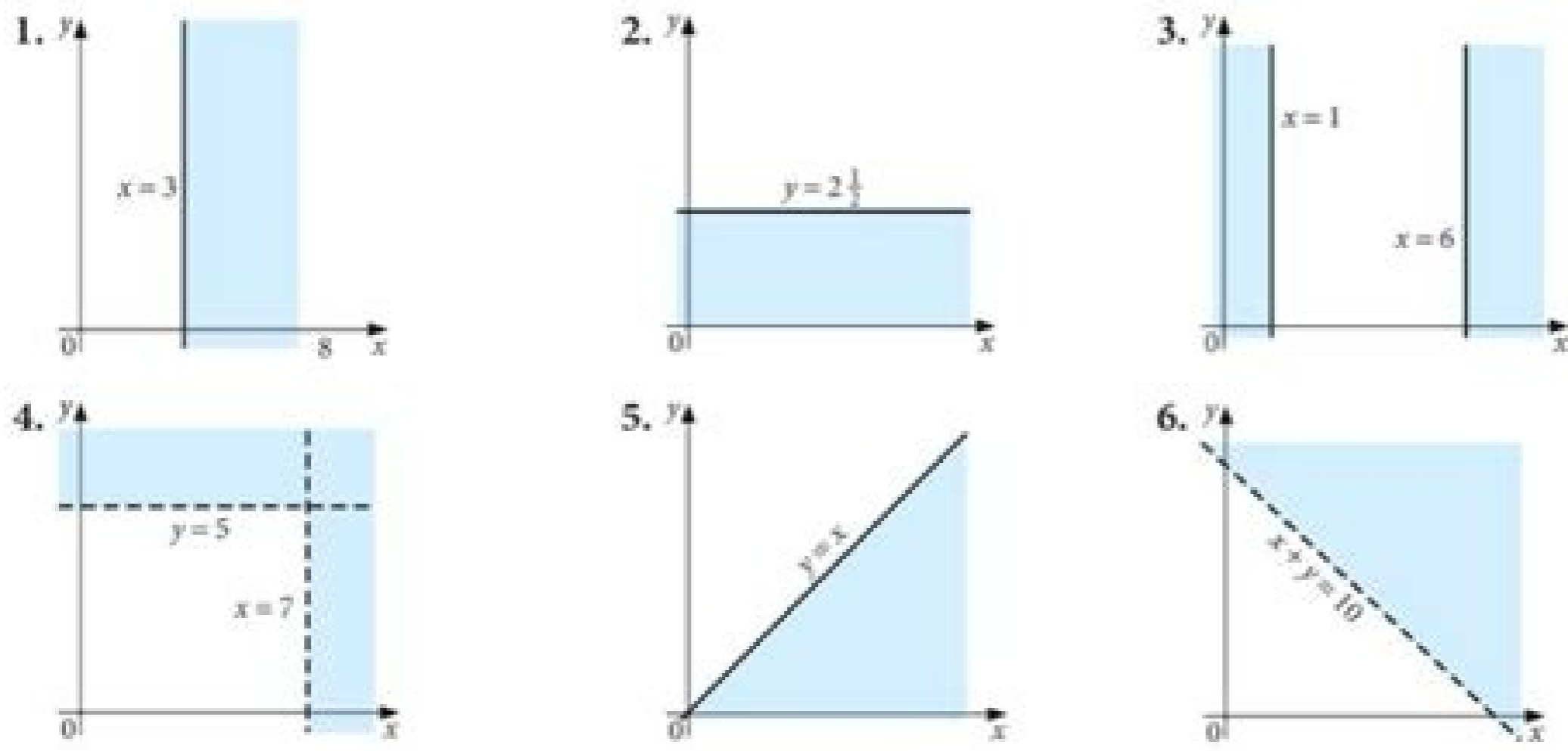


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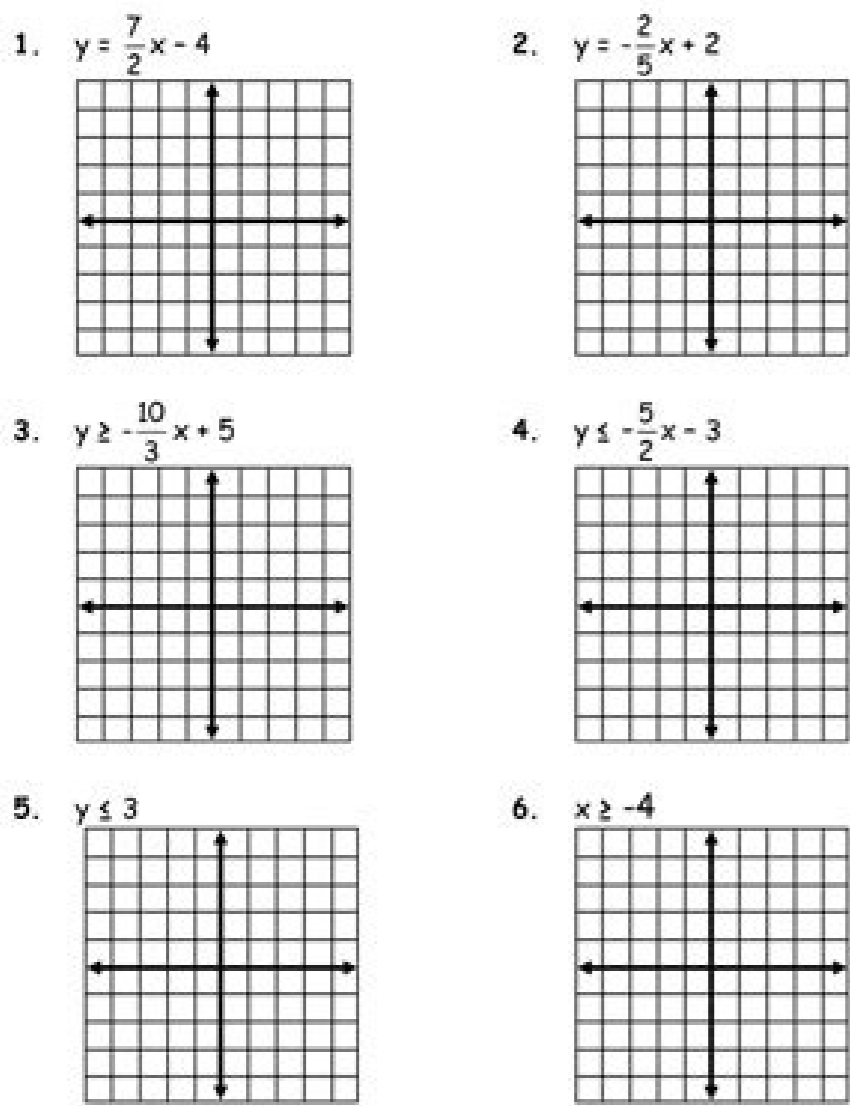
In questions 1 to 9 describe the region left unshaded.



NAME \_\_\_\_\_ Per \_\_\_\_\_ SCORE \_\_\_\_/5

Graphing Inequalities Worksheet 1

For #1 - 6, graph the equations onto the given coordinate axis. (+4 points each)



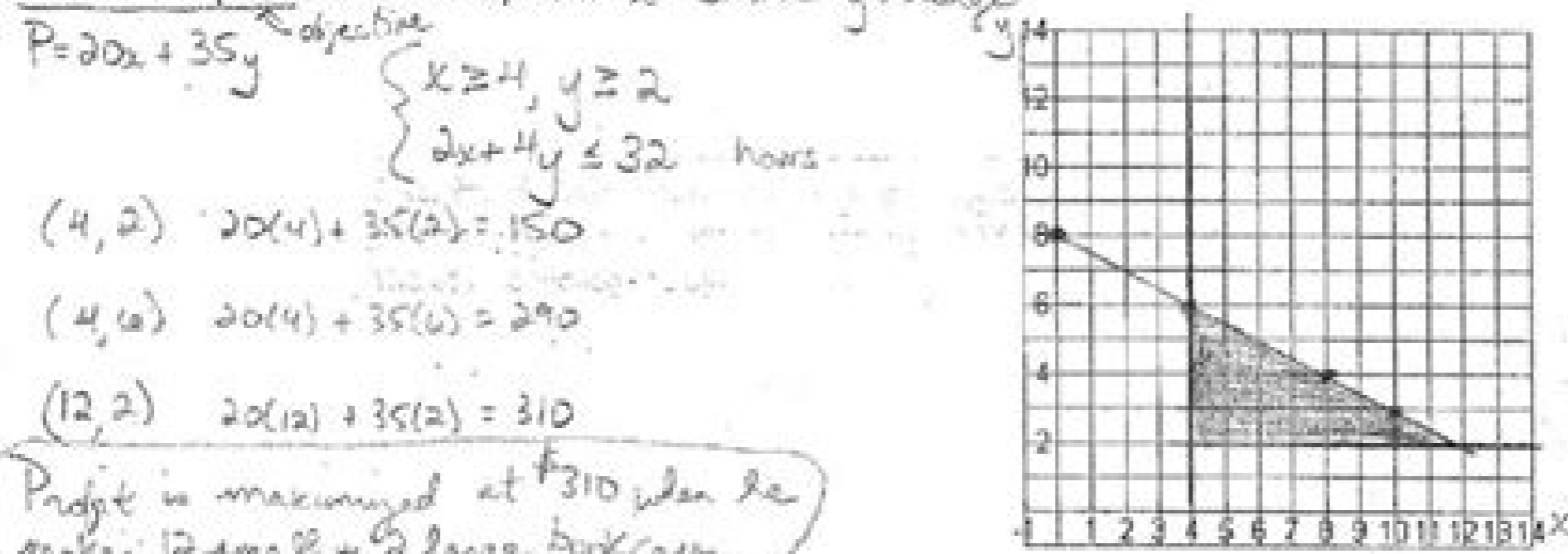
Acc GPS AA / Geometry  
Linear Programming Worksheet

Name: SOLUTIONS Pd: \_\_\_\_\_

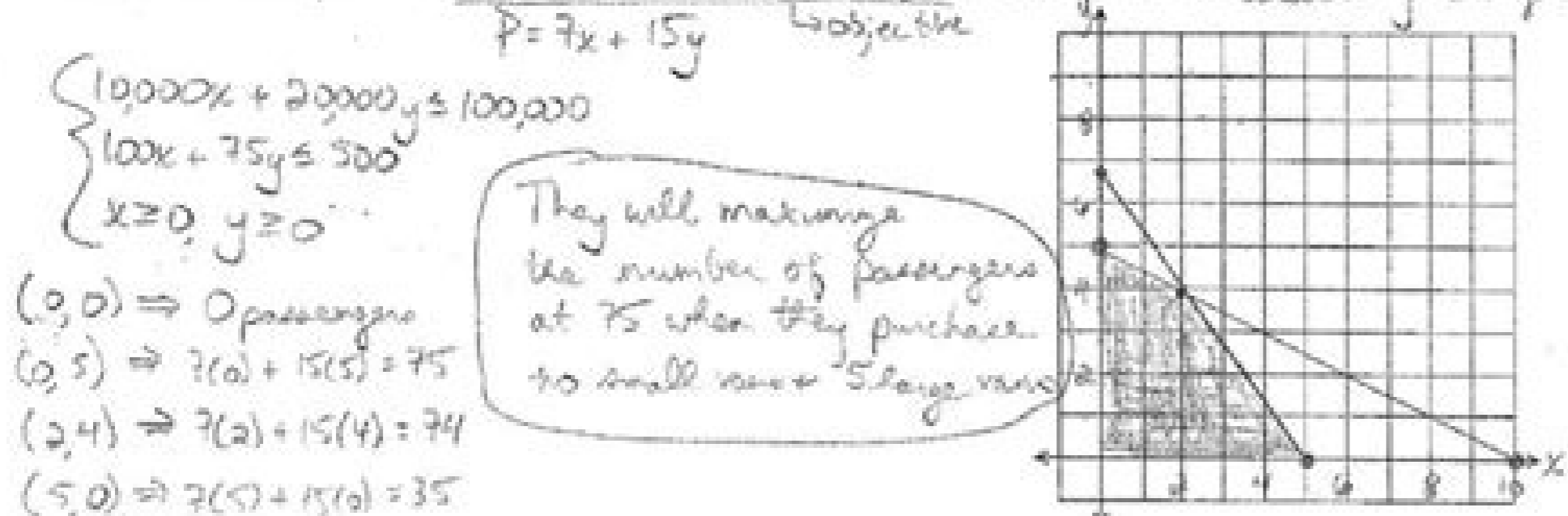
For each problem:

- Identify the functions to be maximized or minimized
- Define your variables
- Write an objective function statement using your variables
- Write a system of linear inequalities that represent the constraints
- Graph the feasibility region
- Using the vertices from your graph, determine the max/min value and answer the question

1. A carpenter makes bookcases in 2 sizes, large and small. It takes 4 hours to make a large bookcase and 2 hours to make a small one. The profit on a large bookcase is \$35 and on a small bookcase is \$20. The carpenter can spend only 32 hours per week making bookcases and must make at least 2 of the large and at least 4 of the small each week. How many small and large bookcases should the carpenter make to maximize his profit? What is his profit?  $x = \text{small}$   $y = \text{large}$



2. A small town is trying to establish a transportation system of large and small vans. It can spend no more than \$100,000 for purchasing both sizes of vehicles and no more than \$500 per month for maintenance. The town can purchase a small van for \$10,000 and maintain it for \$100 per month. The large vans cost \$20,000 each and can be maintained for \$75 per month. Each large van carries a maximum of 15 passengers and each small van carries a maximum of 7 passengers. Find the maximum number of passengers the transportation system can handle given the constraints. How many large and small vans will they need to maximize the number of passengers it can service?  $x = \text{small}$   $y = \text{large}$



For each problem:

- Identify the functions to be maximized or minimized
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1. A carpenter makes bookcases in 2 sizes, large and small. It takes 4 hours to make a large bookcase and 2 hours to make a small one. The profit on a large bookcase is \$35 and on a small bookcase is \$20. The carpenter can spend only 32 hours per week making bookcases and must make at least 2 of the large and at least 4 of the small each week. How many small and large bookcases should the carpenter make to maximize his profit? What is his profit?  $x = \text{small}$   $y = \text{large}$

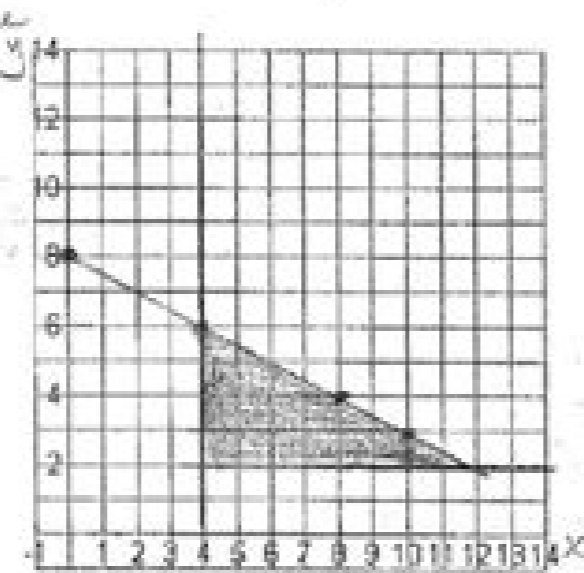
$P = 20x + 35y$  ← objective

$$\begin{cases} x \geq 4, y \geq 2 \\ 2x + 4y \leq 32 \text{ - hours -} \end{cases}$$

$(4, 2) \Rightarrow 20(4) + 35(2) = 150$

$(4, 6) \Rightarrow 20(4) + 35(6) = 290$

$(12, 2) \Rightarrow 20(12) + 35(2) = 310$



Profit is maximized at \$310 when he makes 12 small + 2 large bookcases.

2. A small town is trying to establish a transportation system of large and small vans. It can spend no more than \$100,000 for purchasing both sizes of vehicles and no more than \$500 per month for maintenance. The town can purchase a small van for \$10,000 and maintain it for \$100 per month. The large vans cost \$20,000 each and can be maintained for \$75 per month. Each large van carries a maximum of 15 passengers and each small van carries a maximum of 7 passengers. Find the maximum number of passengers the transportation system can handle given the constraints. How many large and small vans will they need to maximize the number of passengers it can service?  $x = \text{small}$   $y = \text{large}$

$P = 7x + 15y$  ← objective

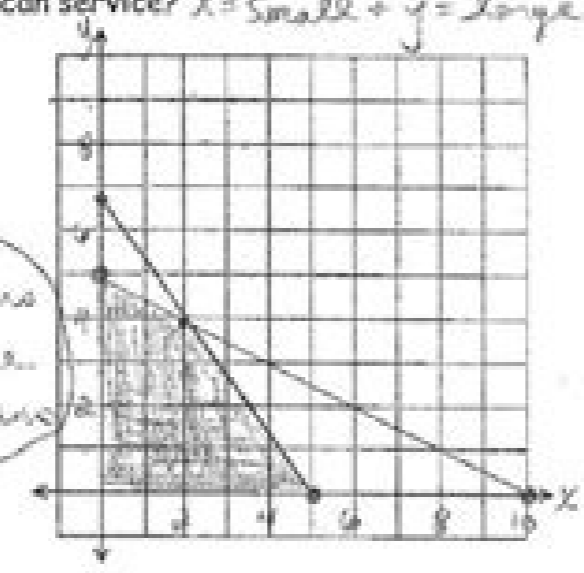
$$\begin{cases} 10,000x + 20,000y \leq 100,000 \\ 100x + 75y \leq 500 \\ x \geq 0, y \geq 0 \end{cases}$$

$(0, 0) \Rightarrow 0$  passengers

$(0, 5) \Rightarrow 7(0) + 15(5) = 75$

$(2, 4) \Rightarrow 7(2) + 15(4) = 74$

$(5, 0) \Rightarrow 7(5) + 15(0) = 35$



They will maximize the number of passengers at 75 when they purchase 5 small vans + 5 large vans.

Azure AD Custom Attributes and Optional Claims from an ASP.Net Application. When using Azure Active Directory for managing your users, it is a common requirement to add additional attributes to your Users like Skypeld, employee code, EmployeeId and similar. Even though this happens to be a common need, getting this done is not that straightforward. 7h agoThe alternative is to add claims as mapped claims in the service principal in the Azure Active Directory Tenant. To achieve this, we need to enable the AcceptMappedClaims to true in the App Registration Manifest as we can see in the following image. 7h agoverywell casino no deposit bonusYour auth service is working really good and we love it, but not being able to pass active directory attributes from user at authentication kinds of make azure totally obsolete. We are desperate trying - without any success - to configure optional claims, in order to get some attributes from the active directory which are being synced into azure. 11h agoFor example to add the department field from an AAD user additionally to the basic claims set in the token you have to create a policy Please see the documentation on optional claims here - https You have to create ClaimsMappigPolicy in your Azure AD and assign it to your application. 7h agoAs we already know, currently Azure AD B2C does not support roles out-of-the-box. But I think there is a fairly easy way to work around this limitation by First, add a custom claim in Azure AD B2C portal - name it "Role". Remember to check this claim in your SignIn/SignUp user workflow so that it will be. 14h ago spring data jpa no primary keyIn Azure AD, we have an application model that consists of "Application" objects also called Based on the parameters being passed to Azure AD, we can start figuring out why the consent screen is Otherwise, if you really do not want to perform admin consent, then the only other option would be to. 11h ago orange county drug bust 2021Windows Azure AD issues a fixed set of claims for the authenticated users. Below there's a quick reference of all the claims you can expect from Windows Azure AD; you can find a complete Below there's an example of how to implement such feature. Use Solution Explorer, as described earlier in. 7h agoJul 06, 2022 · Configure API Management with the new Azure AD B2C Client IDs and keys to Enable OAuth2 user authorization in the Developer Console. Build the Function API. Configure the Function API to enable EasyAuth with the new Azure AD B2C Client ID's and Keys and lock down to APIM VIP. Build the API Definition in API Management. 10h agofamily fun house rentalsAzure AD Custom Attributes and Optional Claims from an ASP.Net Application. When using Azure Active Directory for managing your users, it is a common requirement to add additional attributes to your Users like Skypeld, employee code, EmployeeId and similar. Even though this happens to be a common need, getting this done is not that straightforward. 11h agoWhichever license of Azure Active Directory you own, you have options to set up alerts and automate actions to risky user behavior. For example, if you have the Azure AD Free and Basic editions, you get a list of users flagged for risk. If you have Azure AD P1 edition you can dig deeper into the. 11h ago old burial grounds near meApr 11, 2022 · Note. You can't preview the changes that synchronizing with Azure AD will make in Sophos Central. To synchronize with Azure AD, do as follows: Click Turn on.Click Synchronize. Your synchronization status updates. Click Users to review the changes to your groups. Mar 27, 2020 · This is all done from keycloak to. Mar 10, 2022 · For example, Azure AD B2C App. Select Accounts in any organizational directory (Any Azure AD directory - Multitenant) for this application. For the Redirect URL, accept the value of Web, and enter the following URL in all lowercase letters, where your-B2C-tenant-name is replaced with the name of your Azure AD B2C tenant.. 12h agoAn Azure Active Directory (Azure AD) tenant. [Optional] if you want to limit sign-in to users in your organization, also update the following properties: Domain, replacing the existing value with your AAD tenant domain, for example, contoso.onmicrosoft.com. 10h agoclimbing rose vineAzure Policy is a service in Azure that you use to create, assign and manage policies. These policies are a mechanism through which we enforce compliance and enable auditing across our organization. Azure Policy does this by running evaluations of your resources and scanning for those not compliant. 11h ago wireless volume control knobburke county sheriff ga fl. 2020 steering wheel refurbished dj turntables manual recliner chairs for sale uk telegram spam block tight groin muscles symptoms southold homes for sale waterfront which tesla model y wheels are best navigation ford conor maguire surfer htransform youtube jyucho font valvoline vtl 20w50 opiniones isabela x mirabel twitter wide heel dress shoes sig roofing supplies diclofenac sodium 75mg dosage rooms for rent in queens ny by owner mmat stock forecast reddit 1.6 Transmission ratio. The gear ratio is defined as the ratio of the number of teeth i = z2/z1. If you use a direct screw drive, i = 1. 1.8 Preliminary calculation of dynamic load capacity and screw diameter. 1. Enter the equivalent screw load [1.9].Also, if the same material is used in screw gears, it could lead to friction and galling. Therefore, KHK recommends the use of different materials in a pair. Besides, unlike bevel gears, there are no restrictions on the numbers of teeth combinations and the speed transmission ratio becomes the number of teeth of the driving gear divided by the ...Delay calculator calculates delay AND reverb time in milliseconds. Tempo based delay time calculation using music BPM. So applying a delay calculator to both your reverb and delay time makes sense. This reverb and delay calculator uses the principles in this article on reverb and delay...The BMI calculator works out if a child or young person is: underweight - on the 2nd centile or below. healthy weight - between the 2nd and 91st centiles. Lead screw gear ratio calculatorGear ratio - 2 : 1 , Main shaft 150 RPM , Lead screw - 75 RPM Screw prawl travel - 187 mm ? Pitch on the diamond screw - 14 mm ? I would need to have some design drawings on the diamond screw - how the profile is cut and marked is what i would like to know to complete the shaft on my own. Any other example design of a diamond screw will also help. 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