You are building an ADO.NET EF application. You need to add a property of type NVARCHAR(50) named Notes to the underlying database table named Customer nad have it reflected in the Customer entity. What should you do?	All answers are correct: A. Drop the Customer table and re-create it with the new field; then choose the Generate Database from Model option. B. Add the field to the underlying table, add a Scalar property of type String to the Customer entity, and update the mapping. C. Run the Update Model Wizard. D. Run the EDM Generator.
You have been asked to choose a data access technology to retrieve data from a SQL Sever database and have it exposed over the web. The application will be consumed exclusively by external parties that have no access to the internal database. Which of the access technologies would you recommend? (Choose all that apply.)	WCF Data Services
You are working with EDM and suspect there's a problem with the mappings. Which file should you look at to see the underlying code?	EDMX File
Which of the following are provided for use by the .NET Framework as ChangeMonitors when defining a CacheItemPolicy (select all that apply)	CacheEntryChangeMonitor, FileChangeMonitor, SqlChangeMonitor
Which values are valid choices when defining the Priority property of the CacheItem-Policy using the System.Runtime.Caching version of the Cache? (Choose all that apply)	NotRemovable

You have set up an ObjectCache instance using the following code:
List <String> fileList = new List <String>();
fileList.add(@"C:\SomeDirectory\SampleFile.txt");
ObjectCache cacheInstance = MemoryCache.Default;
CacheItemPolicy accountPolicy = new CacheItemPolicy();
accountPolicy.Priority = CacheItemPriority.Default;
accountPolicy.AbsoluteExpiration = DateTime.Now.AddMinutes(60);
accountPolicy.changeMonitors.Add (new HostFileChangeMonitor(fileList));
CacheItem exampleItem1 = new CacheItem("ExampleItemId", "Example Item Value", "Account Objects");
 	
Which of the following items add an item to the cache with a key named "ExampleId", a value of "Example Item Value", a region named "AccountObjects", and a CacheItemPolicy with a DefaultCacheItemPriority? (Choose all that apply.)
	A. cacheInstance.Add(exampleitem1,accountPolicy);
	D. cacheInstance.Add("ExampleItemId", "Example Item Value", accountPolicy, "AccountObjects");

You are developing an ASP.NET application that reads data and writes data to a SQL Server database. You should avoid non-repeatable reads and not concern yourself with phantom data. Which isolation level should you use?	RepeatableRead && Snapshot
Which items would benefit from being made transactional?	Quick-running queries that involve only one table
You are developing an ASP.NET application that hosts an online chat room. What Windows Azure Storage options should you consider for storing the contents of these chat rooms?	Table storage
Benefits of using Windows Azure Content Delivery Network include (choose all that apply)?	Increased performance for users geographically far from a content source, and large distributed scale to better handle instanteously increased loads.
Which of the following queries take advantage of the Content Delivery network?	http://atlanta.vo.mysite.net/documents
You need to create an interceptor that runs each time you try to return Topic items. Which items should you use? (Choose all that apply.)	QueryInterceptor
	http://servicehost/ExamPrepService.svc/Questions?$filter=Id gt 5

You need to return all questions that have an Id greater than 5. Which query should you use?	
Assume you have the following C# code snippet: var selectedQuestions = from q in context.Questions where q.QuestionNumber > 30 orderby q.QuestionId descending select q; Which of the following URL queries is the equivalent?	The OrderBy field is specified correctly, as is the filter field: D. http://Service/Question.svc/Questions?OrderBy=QuestionId&?filter=QuestionNumber gt 30
You need to use an ampersand in the name of an element you create with an XElement item. Which of the following allows a correctly created element name?	All of the above: Just pass in the string to the XElement constructor; it handles it automatically by calling the XmlConvert class transparently, manually escape the character sequence, use the XmlConvert.Encode method to create the string to pass into the constructor.
Which of the following are requirements for a valid and well-formatted XML document?	Every element must have a corresponding closing element.
You create a LINQ query as follows. Which of the following statements is correct? var query = (from acct in context.Accounts where acct.AccountAlias == "Primary" select Acct).FirstOrDefault():	The query returns results immediately.
Assume you call the Add method of a context on an entity that already exists in a database. Which of the following is true? (Choose all that apply.)	A duplicate entry is created in the database if there is no key violation. If there is a key violation, an exception is thrown.
What happens if you attempt to Attach an entity to a context when it already exists in the context with an EntityState of unchanged?	Nothing happens and the call is ignored.
You need to execute a query against a SQL Server database and populate a set of objects. The retrieval operation is time-consuming, and users are complaining about sluggishness. You need to make sure the application doesn't seem to "hang" while the operation is taking place. Which of the following would accomplish that task? (Choose all that apply.)	Use the ExecuteReader instead of the EntityCommand class. Use the ExecuteScalarAsync method of the EntityCommand class.
The application you're working on uses the EF to generate a specific DbContext instance. The application enables users to edit several items in a grid and then submit the changes. Because the database is overloaded, you frequently experience situations that result in only partial updates. What should you do? U	Use a TransitionScope class to wrap the call to SaveChanges on the DbContext. Call Complete if SaveChanges completes without an exception.
The application you're working on uses the EF. You need to ensure that operations can be rolled back if there is a failure and you need to specify an isolation level. Which of the following would allow you to accomplish this? (Choose all that apply.)	A EntityTransaction && a Transaction Scope
You are executing a query against a LINQ to EDM that contains an Account entity, among others. Which of the following are valid choices for storing the data?	ObjectQuery<Account>; IQueryable<Account>
Which interfaces must be implemented in order for something to be queried by LINQ?	IDbContextItem; the item must be either INumerable or IQueryable
You need to execute the following SELECT query using the COUNT aggregate to determine the total record count in a table: SELECT (*) FROM ExamQuestions; Which of the following enables you to do that? (Choose all that apply.)	SqlDataAdapter in conjunction with a DataTable; SqlDataAdapter in conjunction with a DataSet; The SqlDataReader ExecuteScalar method.
Which of the following are true about SqlConnection objects? (Choose all that apply.)	They should be opened at the last possible moment and closed at the earliest opportunity.
What are the advantages of a compiled query?	The translation of your query into SQL is cached. By caching a generated SQL query can run faster.

Which of the following are necessary components of an EDM? (Choose all that apply.)	SSDL, MSL, CSDL, and .edmx.
You have been tasked with completing a coworker's data model. You are told that there are some specific issues in the .ssdl file and the .msl file, but when you look at the project, you don't see either of them. What is the problem?	The actual .csdl file no longer exists because it has been consolidated in the .edmx files. Its logical purpose is still contained and present, however. Also, the actual .msl file no longer exists because it has been consolidated in the .edmx files. Its logical purpose is still contained and present, however.
You are building an ADO.NET Entity Framework application. You need to validate each of the models. Which Entity Data Model tool can you use to accomplish this?	A. The EDM Generator (EdmGen.exe); B. ADO.NET Entity Data Model Designer
You've implemented a method named GetQuestionText that an throw an IndexOutOfRangeException a SqlException. Which of the following would correctly expose these exceptions?	[FaultContract(typeof(IndexOutOfRangeException))] [FaultContract(typeof(SqlException))] [OperationContract] String GetQuestionText (Int32 questionNumber);
Which of the following are true regarding WCF Services and their contracts? (Choose all that apply.)	The ServiceContract and OperationContract attributes can be applied to either the contract or the implementation.
You are tasked with adding a method named GetCurrentStockPrice to an existing service. The Service is named QuoteService and it implements the IQuoteService Contract. How should you go about adding this new method? (Choose all that apply.)	Add the method definition to the IQuoteService Contract; Add the OperationContract attribute to the method definition.
What are the minimum steps that must be performed to configure a service using the WCF Service Configuration Editor? (Choose all that apply.)	Specify a new service and specify a contract.
Which of the following items can be handled through configuration?	A. Defining the service's type. B. Defining the service's contract. C. Specify a security configuration. D. Adding metadata exchange.
Which of the following is not a benefit of configuration?	Ability to add new method definitions.
You are creating a CustomBinding that will only be consumed only by .NET clients. Performance is the primary concern. Which of the following are true? (Choose all that apply.)	You must define the BinaryMessageEncodingBindingElement to the binding.
The ServiceOperation attribute is defined on both the service implementation and the interface definition. Each of the property settings is explicitly defined, and each property matches its counterpart in the other definition. Which of the following is true?	The service will throw an InvalidOperationException because this attribute cannot be defined on both items.
Which of the following are valid transport binding elements when defining a custom binding?	A. TcpTransportBindingElement; C.HttpTransportBindingElement
You are using IIS to host a WCF Service. Which of the following would help implement transport security over http (https) without removing previously existing functionality?	The new Https protocol mapping feature; Use of a wsHttpsBinding instead of wsHttpBinding; Ensuring that a metadata is enabled for the service.
Which of the following are true regarding WCF Security? (Choose all that apply.)	You can implement message level security; you can implement transport level security; and you can implement both transport level and message level security.
You are developing a WCF Service. The service must implement transport security, NTLM authentication, and NetTcpBindings. Which of the following do you need?	binding value of netTcpBinding; clientCredentialType of netTcpBinding; security mode value of Transport.
You need to build a client-side proxy class in VB.NET for a WCF Service named Test-Service that is hosted by one of your vendors. Which of the following options would accomplish that task? (Choose all that apply.)	B. Use the Svcutil.exe command-line tool withthe following command: svcutil.exe /l:visualbasic http://www.myvendor.com/TestService.svc. C. Use the Add Service Reference dialog box. D. Use the ChannelFactory class.
You are building a client to consume a WCF Service named TestService, and many of the methods have return types that are generic list collections. You are expecting List <Type> return types for the calls, but the proxy class has implemented each as an array.	Change the settings in the Add Service Reference dialog box using the Advanced screen. Change the Collection type to List.

You want this type implemented specifically as List<Type>. What should you do? (Choose all that apply.)	
Svcutil.exe provides which of the following features (Choose all that apply.)	Validates complied service code; downloads metadata documents from deployed services; generates serialization code.
Version 10 of the TestService (which implements the ITestService interface) is about to be updated and deployed. The ITestService interface adds two new methods, both of which are scoped with the public modifier and are decorated with the OperationContract attribute. Which of the following is true?	The two additions will be considered breaking changes unless each assembly includes the correct version number. As long as the service and contract pairs are both deployed with their respective version numbers (versions 10,11), clients will not encounter any problems.
Version 10 of the TestService assembly (which also includes the ITestService interface and implements it) adds two new methods to the interface definition. The new methods use the Protected modifier and do not currently contain the OperationContract attribute (on either the interface or the implementation). Which of the following is true?	There will be not breaking changes on any items that statically link to the assembly; there will not be breaking changes because the access modifiers are set to Protected; It will be a breaking change to any assembly statically linked to it unless the new methods are also added to the implementation.
Which elements do you need from the management portal when configuring your host service? (Choose all that apply.)	Namespace, Default Key
You want to use a SharedSecretToken for authentication. Which method and parameters do you use?	TokenProvider.CreateSharedSecretToken (owner, key)
You want to connect a client to the service bus. Which elements do you need? (Choose all that apply.)	Namespace, service path, owner name, Default Key
You have the following method signature. You are told that it should execute as quickly as possible and advised it would be a good candidate for a OneWay method. Which of the following are true (choose all that apply): [OperationContract(IsOneWay=true)] Boolean LogMessage(String message);	B. This method is not a valid candidate to execute with the OneWay pattern because it accepts a parameter.
Your service needs to let clients open a channel to it and allow back and forth communication throughout the session. Which is true?	Any binding that supports streaming would be a work here. As long as the service can stream back to the client, this would work.
Your service needs to support real-time communication between client and service. Which is true?	A Binding that supports duplexing must be implemented.
You are deploying a new WCF Service. Each time a client initiates a request, you need to create a service instance to support it. What should you do?	Set the InstanceContextMode to PerCall.
Which of the following would be appropriate as a WCF Service Host?	Hosted workflow service; .NET console application; Windows Forms application built using Windows Presentation Foundation; IIS
You need to develop a WCF Service. The service is supposed to be both self-hosted and discoverable by any client application. Which of the following are needed to support this scenario? (Choose all that apply.)	A DiscoveryEndpoint; a ServiceHost definition
You have been asked to create an ASP.NET Web API application. The current site enables users to post comments on newly posted articles. There's an increasing problem of inappropriate and spam comments. Editors need to be able to edit the inappropriate content after reviewing it and finding it in violation with the terms of service. Editors also need to be able to permanently delete any comments that are considered spam. Which operations accomplish these goals? (Choose all that apply.)	HttpGet; HttpDelete;HttpPut
You have an ASP.NET MVC Web API that processes new customer inquiries. The client applications are intended to very focused in scope and centered on just a few operations. A decision was just made that, for now, the API needs to simply allow data collected from a Web Form to be submitted to a SQL Server	HttpPost

database. Which of the following is needed to allow form data to be submitted to the server?	
Your ASP.NET Web application needs to be able to allow action methods to operate through multiple HTTP Actions (namely Http-Post and HttpPut). How should this be accomplished?	Decorate the method with the AcceptVerbs attributes, including HttpPut and Http-Post.
Which of the following media types are valid default options for an Accept request header? (Choose all that apply.)	application/json; application/xml
Which of the following request headers can be sent to help perform content negotiation? (Choose all that apply.)	Accept, Accept-Charset, Accept-Request, Accept-Language
You want to create an attribute that executes when an exception happens anywhere in your application. Which steps do you take (Choose all that apply.)	Inherit from ExceptionFilterAttribute; Add the custom attribute to HttpConfigurationFilters.
You want to enable HTTPS for your Web API, and you want to make sure that none of the developers forgets about this requirement. How do you do this?	Create an HttpsRequiredAttribute and add it to the global collection of attributes.
You are building a Web API to be used by third-party websites, and you want to reach as many users as possible. You want to protect your service from XSRF attacks. Which requirement do you state for your third parties?	Require them to include both a cookie and a form value with a unique token.
You want to extend the default authentication mechanism of Web API. You want to have an attribute that you can place on a couple of action methods to log non-authenticated requests. What do you do?	Inherit from AuthorizeAttribute to implement the custom logic.
Which of the following items must be provided to use the self-host option? (Choose all that apply.)	HttpSelfHostConfiguration; HttpSelfHostServer
You are changing the hosting of your Web API to use a Windows Service. Originally, the configuration was automatically generated by the Visual Studio template. What do you need to do to make this work?	Add a new class of type HttpSelfHostConfiguration. Use the Routes property to call the MapHttpRoute method.
You are working for a large company that has a lot of maintenance engineers on the road. You are going to develop an app to support their work remotely with publicly available data. You are looking at your deployment options. You know the app will be used during office times. Throughout the day, you will have five thousand users of your service. What deployment option do you choose?	You use Azure websites.
The HttpClient class you have implemented frequently receives error codes, but the application is not responding to them. What should you do?	Call the EnsureSuccessStatusCode method and trap the HttpRequestException exception.
You need to create a custom media type for vCards. The media formatter needs to access an XML file to get the format for specific vCards. What should you do? (Choose all that apply.)	Create a formatter using the MediaTypeFormatter class. Add the formatter to the Web API configuration on the server.
You have multiple HttpClient calls that can run independently of each other. You want to execute them as fast as possible. What should you do?	Use Task.WaitAll to execute the tasks in parallel.
You need to deploy an application that requires some changes to the registry. Which deployment strategy do you use?	Web Deploy
You are planning to deploy your application to an on-premises web farm. You use session state to store some user data. Which session state mode do you use? (Choose all that apply.)	StateServer, SQL Server
You want to adopt a continuous deployment strategy. Which elements are important? (Choose all that apply.)	Build server, unit tests, and integration tests
You are deploying a new cloud service with only a web role, and you want to make sure that you get the maximum guaranteed uptime, even during upgrades. How many instances do you need?	The Windows Azure Service Level Agreement says that you must have two or more role instances in different fault and upgrade domains.

You want to be able to communicate directly from your web role to your worker role, and you want to make sure that your work role stays secure by disallowing public access. What do you do?	Add an InternalEndPoint to your worker role in your ServiceConfiguration.csfg file.
You want to follow the recommended best practices for configuring your Windows Azure Guest OS. Which values do you use? (Choose all that apply.)	osVersion = "*"
You want to deploy your ASP.NET MVC application to your own web server for production. Which steps do you take? (Choose all that apply.)	Change the debug attribute of the web.config to false. Build a release configuration.
You want to remove your debug element from the web.config file by using web.config transformations. Which syntax do you use?	<compilation xdt:Transform="RemoveAttributes(debug)" />
You are using parameters for your Web Deploy. You want to automate the creation of the SetParameters file and make sure that it has the correct values. What do you use?	XmlPoke with MSBuild.
You want to update jQuery package in your ASP.NET MVC 4 application in the easiest way possible. What do you do? (Choose all that apply.)	Run the command Update-Package jQuery from the Package Manager Console. Click the update button in the Package Manager window for the jQuery package.
You want to package a custom package that uses the lib, context, and tool folders. Which command do you use? (Choose all that apply.)	nuget pack package.nuspec
You want to expose a read-only feed of custom packages on your internal web server to your colleagues. Which steps do you take? (Choose all that apply.)	Install the NuGet.Server package. Deploy your application to IIS. Create a new Empty ASP.NET Web Application.
You want to deploy your website to Windows Azure Websites. What can you do? (Choose all that apply.)	Download the publish profile from the Management Portal and import it in Visual Studio. Use FTP publishing to copy your files directly to Windows Azure.
You are using the command line, and you want to see whether your deployment is configured correctly. What do you see?	whatif
You want to create and deploy a package from the command line. Which command do you use?	MSBuild "MyProjectName.csproj" /T:Package
You are building a strong-named assembly and you want to reference a regular assembly to reuse some code you built. What should you do?	Deploy the assembly to the GAC.
You want to deploy an assembly to a shared location on the intranet. Which steps should you take? (Choose all that apply.)	Strongly name the assembly. Use the codebase configuration element in the applications that use the assembly.