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| SEPTEMBER 2012 |  |  |  |  |  |  |
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| AUGIST 2012 |  |  |  |  |  |  |  |
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| FEBRUARY 2013 |  |  |  |  |  |  |
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# The Ultimate Weekly Planner for Teens 

Published by<br>Apologia Press, a division of Apologia Educational Ministries, Inc. 1106 Meridian Plaza, Suite 220/340<br>Anderson, Indiana 46016 www.apologia.com<br>Copyright © 2012 Debra Bell ALL RIGHTS RESERVED<br>Manufactured in the USA<br>First Printing: January 2012<br>ISBN: 978-1-935495-66-6<br>Cover and design by Doug Powell<br>Printed by Courier, Inc., Kendallville, IN

Scripture quotations are from:
The Holy Bible, New International Version © 1973, 1984 by International Bible Society, used by permission of Zondervan Publishing House.
"Order brings peace."

- St. Augustine (traditional)


A cheerful heart is good medicine. . . The cheerful heart has a continual feast. Proverbs 17:22; 15:15
14
(5) SyT words a



PEVOTIONS:

| What I need to graduate |  | YEAR ONE | YEARTWO | YEAR THREE | YEAR FOUR | Checkwhencompleted |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| credits | subject | Fill in the names of the courses you have completed. |  |  |  |  |  |
| 4 | English |  |  |  |  | $\square \square \square \square$ | $\bigcirc \bigcirc \bigcirc$ |
|  | Math |  |  |  |  | $\square \square \square \square$ | 0000 |
|  | Science |  |  |  |  | $\square \square \square \square$ | 0000 |
|  | SocialStudies |  |  |  |  | $\square \square \square \square$ | $\bigcirc 000$ |
|  | Arts |  |  |  |  | $\square \square \square \square$ | OOOO |
|  | Health \& Phys Ed |  |  |  |  | $\square \square \square \square$ | $\bigcirc \bigcirc \bigcirc$ |
|  | Foreign Languages |  |  |  |  | $\square \square \square \square$ | $\bigcirc \bigcirc 00$ |
|  |  |  |  |  |  | $\square \square \square \square$ | $\bigcirc \bigcirc \bigcirc$ |
|  |  |  |  |  |  | $\square \square \square \square$ | $\bigcirc 000$ |
| Number of credits required for graduation: Number of credits completed: |  |  |  | $\square=1 \text { credit } \bigcirc=.5 \mathrm{credit}$ |  |  |  |



## 

## PERIOD

Put a period:
attheendofacompletesentencethatisastatement The cat is watching the birds.
after an indirect question
She asked what was wrong.

## COMMA

Use a comma:
to separate the words or phrases in a series
I'llfinishmyphysicscoursewithblood,sweat,andtears.
toseparatetwoadjectiveswhenthewordandcanbe inserted between them
Thesquawking,greenparrotcommandedourattention. tosetoffthenameortitleofsomeonedirectlyaddressed Sir, may I take your coat foryou? Yes, Alex, you may.
toseparatethedayofthemonthfromtheyearandafter theyear(Nocommaisneededifanypartofthedateis omitted.)
ShewasbornonAugust11,1967,inSunValley,Idaho.Her brother was born the same day in August 1970.
to set off phrases that interrupt sentence flow
lam, asl'msureyouareaware, verylateforthisclass.
afteradependentclauseatthebeginningofasentence(A dependentclausefollowinganindependentclauseisnotset off with a comma.)
Beforeyoucangotothemovie,youhavetofinishcleaning yourroom.Thechoresmustbedoneifyouwanttogo out with friends.
afteranintroductoryphraseofmorethanthreewords Attheendoftheday,wewereexhaustedbytheheatand hard work.
tosetoffanonessentialdescriptionwhensomeoneor somethingisclearlyidentified(Ifthedescriptionisnecessary to identify the subject,then commas are not used.) Sally, who has a pickuptruck, said the roads are still passable.Thegirlwhohadavansaidtheyarenot.
toseparatetwoindependentclausesjoinedbyacoordinate conjunction(and,but,so,for,or,andnor)unlesstheclauses areshort (Ifasubjectdoes notappearinfrontofthe secondverb,thendonotuseacommabecausethereisa compoundverbratherthantwoindependentclauses.) Thelastthingweneedisanotherdownpour,butmorerain isintheforecast.Itrainedanditpoured.Ineededsome

- eggsforthisrecipebutforgottopickthemupatthe store.
to separate contrasting parts of a sentence This is my book, not yours.
after introductory words such as well, now, or yes Yes,thatiswhatshesaid.Now,let'sleaveimmediately.


## SEMICOLON

Use a semicolon:
toconnecttwoindependentclauseswhentheconjunction is omitted
Thelasttrainarrivedanhourago;thefirsttrainleavesat6 a.m. tomorrow.
beforeconjunctiveadverbssuchashowever,therefore, andneverthelessandbeforetransitionalphrasessuchas inaddition,forexample,andontheotherhandwhenthey connecttwoindependentclauses.(Acommafollowsthe adverb or phrase.)
Theconductorsaysthe6o'locktrainistypicallypunctual; however,itisalsotypicallysoldout.Herecommendsthat wetakeacabtoalaterstation;forexample,WhiteHall, Newbury, and Exton are all along this line.
toconnectitemsinaseriesifcommasarealreadyused within the series
OurtripincludedstopsinFlorence,Italy;Zurich,Switzerland; Nice, France; and Vienna, Austria.
toconnectindependentclausesjoinedbyaconjunctionifa comma has already been used in the first part
Eventhoughourflightwasdelayed,Iwasabletorebookus onanotherairline;andwestillarrivedatourportbefore the cruise ship left the dock.

## COLON

A colon follows a complete sentence. Use a colon: to introduce a list
Wewererequiredtobringthefollowing:ourpassport,travel itinerary, and train tickets.
toconnecttwocompletesentenceswhenthesecond sentenceexplainsorillustratesthefirstandaconjunctionis not used
Ienjoy traveling: Paris and London are my favorite destinations.

## QUOTATION MARKS

Use quotation marks:
tosetoffquotedorspokenlanguage(Periodsandcommas fallinsidethemark;;semicolonsandcolonsgooutside. Questionmarksgoinsideifthequoteasksaquestion, outside if the quote is part of a question.)

## SAlgsora Revign

| Expanding | Factoring | Roots of a Quadratic Equation |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $a(b+c)=a b+a c$ | $a^{2}-b^{2}=(a+b)(a-b)$ | The solution for a quadratic equation $a x^{2}+b x+c=0$ is given by the quadratic formula$x=\frac{-b \pm \sqrt{b^{2}-4 a c}}{2 a}$ |  |  |
| $(a-b)^{2}=a^{2}-2 a b+b^{2}$ | $a^{3} b-a b=a b(a+1)(a-1)$ |  |  |  |
| $(a+b)^{2}=a^{2}+2 a b+b^{2}$ | $a^{2}+2 a b+b^{2}=(a+b)^{2}$ |  |  |  |
| $(a+b)(c+d)=a c+a d+b c+b d$ | $a^{3}+b^{3}=(a+b)\left(a^{2}-a b+b^{2}\right)$ | Logarithms |  |  |
| $(a+b)^{3}=a^{3}+3 a^{2} b+3 a b^{2}+b^{3}$ | $a^{2}-2 a b+b^{2}=(a-b)^{2}$ | $y=\log _{b}(x) \Leftrightarrow x=b^{y}$ <br> (definition of a logarithm) |  |  |
| $(a-b)^{3}=a^{3}-3 a^{2} b+3 a b^{2}-b^{3}$ | $a^{3}-b^{3}=(a-b)\left(a^{2}+a b+b^{2}\right)$ | $\log _{b}(1)=0$ (logarithm of one) |  |  |
| Exponents |  | $\log _{b}(b)=1$ <br> (logarithmic identity) |  |  |
| $x^{0}=1$ (zero rule) |  | $\log _{b}(x y)=\log _{b}(x)+\log _{b}(y)$ <br> (sum of logarithms) |  |  |
| $x^{1}=x(1$ rule $)$ |  | $\log _{b}\left(\frac{x}{y}\right)=\log _{b}(x)-\log _{b}(y)$ <br> (difference of logarithms) |  |  |
| $a^{x} a^{y}=a^{(x+y)}$ (addition of exponents rule) |  | $\log _{b}\left(x^{n}\right)=n \log _{b}(x)$ <br> (logarithm of an exponential) |  |  |
| $\frac{x^{a}}{x^{b}}=x^{a-b}$ (subtraction of exponents rule) |  | $\log _{b}(x)=\log _{b}(c) \log _{c}(x)=\frac{\log _{c}(x)}{\log _{c}(b)}$ <br> (logarithm base conversion) |  |  |
| $a^{x} b^{x}=(a b)^{x}$ (distributive property of exponents rule) |  | $e=2.71828183$ |  |  |
| $\left(a^{r}\right)^{y}=a^{x y}$ (power rule of exponents) |  | $\pi=3.14159265$ |  |  |
| $x^{\frac{a}{b}}=\sqrt[b]{x^{a}}$ (fractional exponent to fractional root relationship) |  | $i^{2}=-1$ | $i^{3}=-i$ | $i^{4}=1$ |
| $x^{(1 / 2)}=\sqrt{x}$ (definition of a square root) |  | Equilateral triangle: all sides and all angles are equal. |  |  |
| $x^{-a}=\frac{1}{x^{a}}$ (negative exponent definition) |  | Scalene triangle: no sides and no angles are equal. |  |  |
| $\text { Right angle }=90^{\circ} \quad \text { acute }<90^{\circ} \quad \begin{aligned} & \text { Isosceles triangle: two sides and } \\ & \text { two base angles are equal. } \end{aligned}$ |  |  |  |  |

