

Name: _____

Date: _____

BLM U3-1

Unit 3 Project Checklist

Option 1
I Need To ...
<input type="checkbox"/> search the Internet for an equation or a formula involving radicals that is related to motion or distance in space, or for an astronomer whose work led to discoveries in those areas.
<input type="checkbox"/> research the formula to determine why it involves a radical, or research the mathematics behind the astronomer's discovery.
<input type="checkbox"/> prepare a poster that includes the following: <ul style="list-style-type: none">• the origin of the radical equation or background information on the astronomer• an explanation of the mathematics involved and how the formula relates to distance or motion in space• sources of all materials used in my research

Option 2
I Need To ...
<input type="checkbox"/> search the Internet for a rational expression that is related to space-time, black holes, solar activity, or another space-related topic.
<input type="checkbox"/> research the topic to determine why it involves a rational expression.
<input type="checkbox"/> write a one-page report on my topic that includes the following: <ul style="list-style-type: none">• a brief description of the space anomaly and its significance• identification of the rational expression I am using• an explanation of the mathematics involved and how it helps to model the anomaly• sources of all research used in my report

Option 3
I Need To ...
<input type="checkbox"/> design a new logo for a company specializing in space tourism to various regions of the galaxy. My logo includes both reciprocal functions and absolute value functions.
<input type="checkbox"/> draw my logo.
<input type="checkbox"/> list the functions I used, and the domains necessary for the logo.

