

Name: _____

Heatherwood Mathletes
Home Exercises: Blue Belt
January 13, 2005

1. Section 1 of the HMO Blue Belt Textbook. Read Ch. 7 from the book “Quick Arithmetic” entitled “Exponents and Square Roots”. Work with a parent if you have trouble reading it on your own. Do some problems from pages 79, 80, and 81. If you do problems in part D a calculator would help.
2. Section 2 of the HMO Blue Belt Textbook. Read as much of this chapter as you can. Again, work with a parent if you need help. Do as many word problems as you can on p.32 of the text. These are simultaneous equations problems. So, the key thing is to write down two equations for each problem. Try solving some.
3. Section 3 the HMO Blue Belt Textbook. On a sheet of graph paper, found at the back of your Textbook, draw a horizontal (x) and vertical (y) axis and label each axis with whole numbers from -7 to +7. Plot the following points, making sure to label each point:
 - (a) $(2,2)$ – that is, $x = 2, y = 2$.
 - (b) $(5,-5)$
 - (c) $(-4,3)$
 - (d) $(0,4)$
 - (e) $(-4,-5)$
 - (f) $(5,0)$
 - (g) $(0,-3)$
 - (h) $(-3,0)$