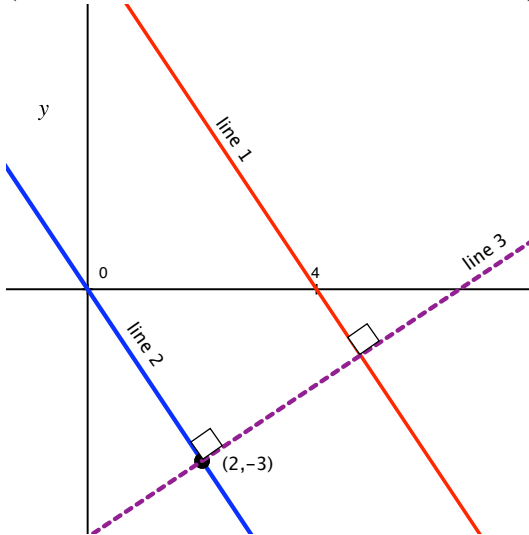


Name: _____

Math 111 Worksheet #2

October 2, 2007

1. Find the equation of lines 1, 2, and 3.
(Line 3 is perpendicular to lines 1 and 2.)



2. $h(x) = \frac{1}{\sqrt{9x+7}}$

- (a) Solve $h(x) = \frac{1}{4}$.
- (b) What is the vertical intercept of the graph of $h(x)$?
- (c) Find $h(2)$.
3. The distance travelled (in inches) by a turtle at time t (in seconds) is given by the function $d(t) = 2t^{1/4}$.
- (a) How far is the turtle after 16 seconds?
- (b) When will the turtle have travelled 20 inches? Give your answer to the nearest minute.