This is an open-book, short-answer quiz. Clearly print your final answers. No partial credit.

1. (2 points) Two cyclists, 90 miles apart, start riding toward each other at the same time. One cycles twice as fast as the other. If they meet 2 hours later, at what speed is the slower cyclist travelling?

1. ____________

2. (2 points) Solve the inequality \(-4 < 5 - 3x \leq 17\) and write the answer using interval notation.

2. ____________

3. (2 points) Find the radius of the circle described by the equation \(x^2 + 6x + y^2 - 2y + 6 = 0\).

3. ____________

4. (2 points) Find the equation of the line that passes through the point \((3, -6)\) and is parallel to the line \(3x + y - 10 = 0\). Write your answer in slope-intercept form.

4. ____________

5. (2 points) Use the graph of \(y = f(x)\) below to find all \(x\)-values such that \(f(x) = -1\).

5. ____________