

MATH 102 REVIEW #9

1. FIND THE DOMAIN OF

a) $f(x) = \frac{1}{4-3x^2}$

b) $f(x) = \ln(\cancel{4}7x - 12 - x^2)$

2. SOLVE $x^5 - 3x^4 - 5x^3 + 15x^2 = 0$

GIVEN THAT ONE SOLUTION IS $x=3$.

3. SOLVE THE INEQUALITY $2\sin x + \sqrt{3} < 0$

GIVEN $0 \leq x \leq 2\pi$