Homework 18

1) a) reflexive, symmetric, antoynment, transfer b) irreflexive

c) transitue

d) symmetric

e) reflexive, anysumdric, transfive

2) a) reflexive, symmetric, transitive b) increasive

c) reflexive, oumetre, transiture

a) reflexive

e) jackresive, symmetric

f) inveflexive, transitive

5/(2+3) 1 5/(2+2) becawe 3) reflexive M 51 (5+5) 1 51 (5+0) because icreflaive No 9+10 = 6+9 5ymanic beaux 465 5/(2+3) 1(2×3) antisymmetric because no 51(1+4)A-51(4+6)A5X transitive because no 51 (1+4) 1 51 (4+6) A 54(1+7)

(but 3×4 is even)?

(but 3×4 is even)?

(c) reflexive no because 3×3 is odd

ineflexive no because 2×2 is even

symmetric ness because axi = bxa

antisymmetric no because 2×1=1×2 is even

transitive no because 1×2 is even

1×2 is even

2×3 is even

LX3