Souver 1.7 QUIZ - EARLY FINISHERS (1.) cos UCZ = 24 + (62-1)16 (b) U'y = 8-1 (4-1) = 24+ (13-1) 16  $r^3 = (24 + 12.16)/8 = 27$ (2)  $U_s = 12 + (5-1) d = 12r$  (1)  $y_{13} = 12 + (13-1)d = 12 r^{2}$  (2) 12 + 4d = 12r (1) 3 + d = 3r  $1 + d = r^2$ (2)  $1-3 = r^2 - 3r$ r2-3r+2=0 (r-2)(r-1)=0r=12 disregard r=1 r=2 actheretic sequence: 12,24,48
geometric U5 = 12 + (5-1) d = 24 \_\_\_\_\_\_*cl =* 3  $\Gamma=2$ , d=3

SULUNUS

$$(3)(a) = \frac{2\chi^{2} + 3\chi - 1}{2\chi^{2} + 3\chi + \frac{9}{16}} = \frac{9}{8} - 1$$

$$= \frac{2(\chi^{2} + \frac{3}{2}\chi + \frac{9}{16}) - \frac{9}{8} - 1}{2\chi^{2} + \frac{3}{4}\chi^{2} - \frac{17}{8}}$$

$$= \frac{2(\chi^{2} + \frac{3}{4})^{2} - \frac{17}{8}}{2\chi^{2} + \frac{3}{4}\chi^{2} - \frac{17}{8}}$$

$$\left(-\frac{3}{4}, -\frac{7}{8}\right) \\
= \left(-\frac{3}{4}, -\frac{7}{8}\right) \\
= \left(-\frac{3}{4}, -\frac{7}{8}\right) \\
+ -\frac{7}{8}$$

$$7 = -3 \pm \sqrt{9+8}$$

$$\begin{array}{cc} (4) & (a) \\ (b) & \rho = 3 \end{array}$$

(e) 
$$g(x) = -f(x) + 4$$

$$= -x^2 + 6x + 1 + 4$$

$$=-\chi^2+6\chi+5$$

