MA 103   KATIRAIE   QUIZ #6B Part I   SECTIONS (5.5 - 5.6)   FALL 2006

NAME _____   SCORE: _____/ 10

1)   Factor the following:

a) $81-(n+3)^2$ b) $3t^2-5t-8$

c) $16y^4-24y^3+9y^2$ d) $9z^2+64$

e) $3x^2+14x+8$

2)   Solve the following algebraically:

a) $2x^3 - 6x^2 = 20x$ b) $2x^2 - 3x = 2$

3) A rectangular frame surrounding a picture is made from boards that are 2 inches wide. The picture inside the frame is 4 inches wider than it is high. If the overall area of the picture and frame is 525 square inches, find the dimensions of the picture.