

MATH 102 REVIEW #1

1. SKETCH (USING SHIFTING / SCALING)

a) $y = 2 - (x+1)^2$

b) $y = (x-2)^3 + 1$

2. FIND THE SOLUTIONS TO

$$6x^5 + 13x^4 = 5x^3$$

3. THE WORTH OF A USED CAR DECLINES
BY THE SAME AMOUNT EACH YEAR.

2 YEARS AGO IT WAS WORTH \$13,000.

IN 4 YEARS IT WILL BE WORTH \$5000.

FIND THE WORTH (y) IN \$ AS A
FUNCTION OF TIME (t), WHERE $t=0$
IS TODAY.