

## Quiz #1

**Directions:** Carefully read each question below and answer to the best of your ability in the space provided. You **MUST** show your work to receive full credit! Your answer to problem # 2 should be written in a clear and concise manner using a combination of complete sentences and symbolic expressions. An answer without explanation or that is poorly presented may not receive full credit.

1. (1 point) The domain of  $\sqrt{2x+3}$  is given by

A.  $(-3/2, \infty)$

B.  $(3/2, \infty)$

C.  $(0, \infty)$

D.  $(-\infty, 3/2)$

**E. None of the above**

2. (2 points) Solve for  $x$ :

$$3^{7-4x} = 27.$$

**Solution:**

$$3^{7-4x} = 27$$

$$3^{7-4x} = 3^3$$

$$7 - 4x = 3$$

$$-4x = -4$$

$$x = 1$$

Name: \_\_\_\_\_

Question:	1	2	Total
Points:	1	2	3
Score:			