

## Quiz #1

**Directions:** Carefully read each question below and answer to the best of your ability in the space provided. Your answer to problem # 2 should be written in a clear and concise manner. You **MUST** show your work to receive full credit!

**Calculators are not allowed for the quiz.**

1. (1 point) The domain of  $\sqrt{4x+5}$  is given by

- A.  $(-5/4, \infty)$
- B.  $(5/4, \infty)$
- C.  $(-\infty, 5/4)$
- D.  $(0, \infty)$

**E. None of the above**

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

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

**Solution:**

$$\begin{aligned}3^{7-4x} &= 27 \\3^{7-4x} &= 3^3 \\7-4x &= 3 \\-4x &= -4 \\x &= 1\end{aligned}$$

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

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