AFM: Exponential Review

Graph the following (label at least 2 points) and give the domain and range. Label the curve as exponential *growth* or *decay*.

1. y = 2x 2. y = 2x – 1 3. y = 2x – 1  4. y = 3(2x)

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. y = -2x 6. y = (1/2)x 7. y = (1/2)x + 3

D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ D:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ R:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve the following for x:

8. 2x = 8 9. 3x = $\frac{1}{27}$ 10. 4x+1 = 16x 11. 272x-1 = 9x-2