

Problem of the Day: Determine and explain if the following equations are linear.

a. $y = \frac{3}{4}x - 7$

b. $6xy = 36$

c. $y = 2x + 9$

Linear = no exponents
no denominator
no x·y

non-linear
x·y

$y = 4x + 9$
-Linear
no exponent

Plan for the Day: Collect Linear Equation Info
Wksht

Continue to work on graphing calculator exploration

Objective: We will use a graphing calculator to explore changes to the linear parent function.

Today is National Take Your Teddy Bear to School/Work Day!!

10.
$$\begin{array}{r|l} x & y \\ 0 & -3 \\ 1 & -1 \\ 2 & 4 \\ 3 & -2 \end{array}$$

D: $\{ -5 \leq x < 4 \}$

R: $\{ -5 \leq y < 3 \}$