Name: Date: Class:

GREEK GAMES

The first Olympic Games, played in *Greece* in *776* B.C., featured only one event. What was it?

For each set of ordered pairs, write the equation of the corresponding line. Find the matching answers in the list given, and write the corresponding letters in front of their exercise numbers. Read down the column of letters to identify the Olympic event.

Tip: First solve for m by using the formula $m = (y_2 - y_1) / (x_2 - x_1)$. Next, solve for b by using the m value and one of the ordered pairs. Last, use the b and m values to write the equation of the line. For example, when given $(2, 3)$ and $(4, 7)$:
$m = (7 - 3) / (4 - 2) \rightarrow 2$; $b = 7 - (2)(4) \rightarrow -1$; and the equation of the line is $y = 2x - 1$.

_____ 1. $(3, -2), (4, 0)$ _____ 5. $(7, -4), (4, 5)$

_____ 2. $(1, 2), (3, -2)$ _____ 6. $(0, 0), (-7, 14)$

_____ 3. $(8, 4), (10, -2)$ _____ 7. $(-1, -1), (4, 14)$

_____ 4. $(-3, -5), (6, 13)$ _____ 8. $(-3, 0), (6, 27)$

(R) $y = -3x + 17$

(E) $y = 3x + 9$

(F) $y = 2x - 8$

(C) $y = 3x + 2$

(O) $y = -2x + 4$

(T) $y = 2x + 1$

(A) $y = -2x$

(O) $y = -3x + 28$