

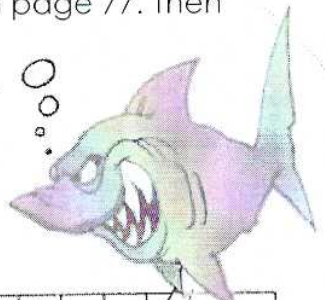
$$\begin{array}{r} 11) \quad x + y = 5 - x \\ \quad -x \quad \quad -x \\ \hline \quad \quad y = -2x + 5 \end{array}$$

$$\begin{array}{r} 12) \quad x + y = y - 5 \\ \quad -x \quad -y \\ \hline \quad \quad x = -5 \\ \quad \quad \text{vertical line} \end{array}$$

Activity: Standard Form to Slope-Intercept Form

Solve for the equations #s 1-6, from standard form to slope intercept form on page 77. Then state the slope and y-intercept on this worksheet. Then graph the lines.

What Do Man-Eating Fish Use For Barbeques?



Graph each equation on the grid to its right. The graph will cross a letter outside the grid. Find this letter in the string of letters and cross it out each time it appears. When you finish, write the remaining letters in the space below.

1. $-2x + 5y = 15$

$m = \frac{2}{5}$

$b = (0, 3)$

2. $2x + y + 1 = 0$

$m = -2$

$b = (0, -1)$

3. $-x - 6y = 30$

$m = -\frac{1}{6}$

$b = (0, -5)$

4. $9x = 9y + 36$

$m = 1$

$b = (0, -4)$

5. $5x - 3y = 0$

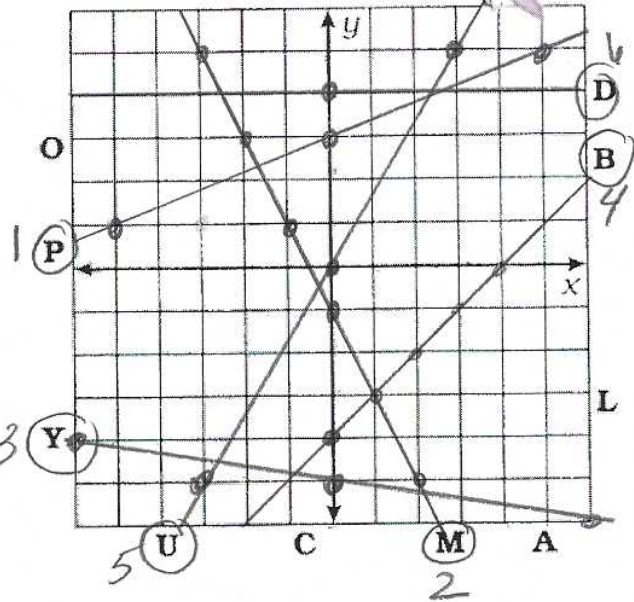
$m = \frac{5}{3}$

$b = (0, 0)$

6. $y - 4 = 0$

horizontal
 $m = \text{zero line}$

$b = (0, -4)$



HOMEWORK: Show work in your notebook. Continue with pages 77 & 78.

7. $4x + 5y = 5$

$m = -\frac{4}{5}$

$b = (0, 1)$

8. $3x - 8 = y - 4$

$m = \frac{3}{1}$

$b = (0, -4)$

9. $20y - 60 = 5x$

$m = \frac{4}{1}$

$b = (0, 3)$

10. $-2(x + y) = 2 + 5x$

$m = -\frac{7}{2}$

$b = (0, -1)$

11. $x + y = 5 - x$

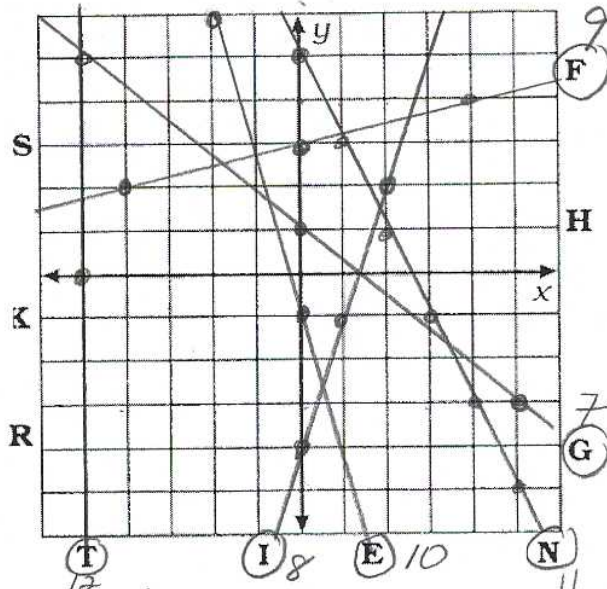
$m = -2$

$b = (0, 5)$

12. $x + y = y - 5$

vertical
 $m = \text{no slope line}$

$b = \text{none}$



~~B~~ ~~F~~ ~~N~~ ~~S~~ ~~T~~ ~~H~~ ~~E~~ ~~M~~ ~~B~~ ~~A~~ ~~T~~ ~~P~~ ~~D~~ ~~R~~ ~~N~~ ~~U~~ ~~K~~ ~~C~~ ~~X~~ ~~Q~~ ~~O~~ ~~I~~ ~~T~~ ~~E~~ ~~A~~ ~~P~~ ~~L~~ ~~D~~

answer to title question: SHARK COAL