

QUOTABLE PUZZLES

Equations and Inequalities

A.6

Directions: Solve the following problems. Match that answer to the correct letter of the alphabet. Enter that letter of the alphabet on the blank corresponding to the problem number.

$$\frac{5}{15} - \frac{16}{1} + \frac{8}{8} - \frac{4}{4} - \frac{11}{7} + \frac{8}{8} - \frac{12}{6} + \frac{8}{8} - \frac{1}{7}$$

$$\frac{10}{16} - \frac{12}{14} + \frac{4}{5} - \frac{2}{2} = \frac{14}{13} + \frac{3}{3}$$

A	B	C	D	E	F	G	H	I	J	K	L	M
-2/3	2	4	16	0	8	5	2/5	-2	-4	1/8	-12	1/3
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
5/2	5/3	-3/4	21	-3	3/2	-4/5	1/2	-1/4	undefined	3	-1/3	-3/2

Rewrite each equation into the slope-intercept form.

Determine the slope:

1. $3x + 4y = 12$
2. $2x - 6y = 18$
3. $2x - y = 8$
4. $6x + 3y = 6$
5. $3x - 2y = 6$
6. $-4x + y = -1$
7. $4x + 5y = 20$
8. $y = 6$
9. $x = 3$

Determine the y-intercept:

10. $4x + y = 8$
11. $3x + 2y = 5$
12. $3x - 4y = 12$
13. $x + 6y = 18$
14. $2x + 6y = 2$
15. $y = 3x - 12$
16. $4x + 9y = 15$