38.) $5m^2 + (m^2 + 5)$

$6m^2 + 5$ associative

28.) $-3(2x-6)$

$-6x+18$

50.) $4(8p + 4q - 7r)$

$32p + 16q - 28r$

40.) $5 + x + 5 + x + xy$

$10 + 2x + xy$

1-5 Equations

$\{\ldots -3, -2, -1, 0, 1, 2, 3 \ldots\}$

$8m - 7 = 17$

a. 0
b. 1
c. 2
d. (3)

$\{3\}$

$$7-(4^2-10)+n=10$$

$$(16-10)$$

$$7-6+n$$

$$1+n=10$$

$$-1 \quad -1$$

$$n=9$$

$$n(3+2)+6=5n+(10-3)$$

$$3n+2n+6=5n+7$$

NO solution $5n+6 \neq 5n+7$

$-6 \quad -6$

$$5n=5n+1$$

$-5n \quad -5n$

$$0 \neq 1$$

4A. $12(10-7)+9g = g(2^2+5)+36$

$12(3)$ $(4+5)$

9

$36+9g = 9g+36$

$9g+36 = 9g+36$

all real #'s

$\frac{52}{4} = \frac{4z}{4}$

$13 = z$ no solution

$$17 = 24 - y$$
$$-24 \quad -24$$
$$-7 = -y$$
$$7 = y$$

$$17 = 24 - y$$
$$-17 \quad -17$$
$$\_\_\_\_ = 7 - y$$