Do the following problems **on your own paper**. Then pass this paper to another person in your group and do the problems for another part of the review.

Solve and check each equation.

1) $4n + 21 + 5n = 66$ $9n = 45$

$\boxed{x = 5}$

2) $3z + 7 - 12 = 22$

$3z - 5 = 22$
$3z = 27$
$\boxed{z = 9}$

3) $-8(h + 3) - 2h = 26$

$-8h - 24 - 2h = 26$

$-10h = 50$

$\boxed{h = -5}$

4) $\frac{1}{2} x + 15 - \frac{3}{4} x = 13$

clear the fractions

$4(\frac{1}{2}x) + 4(15) - 4(\frac{3}{4}x = 4)$

$2x + 60 - 3x = 52$

$-x = -8$
$\boxed{x = 8}$

Do the following problems **on your own paper**. Then pass this paper to another person in your group and do the problems for another part of the review.

Solve and check each equation. Write one solution, no solution, or identity (infinite number of solutions).

$\boxed{\text{NO SOL.}}$

1) $18x - 5 = 3(6x - 2)$
$18x - 5 = 18x - 6$

2) $6k = 4(k + 5)$
$6k = 4k + 20$
$2k = 20$
$\boxed{k = 10}$

3) $3(j - 4) = 3j - 12$
$3j - 12 = 3j - 12$ $\boxed{\text{Identity}}$
(Inf. # of sol.)

4) Victoria is trying to choose a health club. Sam's Club charges \$35 to sign up and \$12 per month. Nor's Club charges \$50 to sign up and \$9 per month. If Victoria is planning to use the club for 8 months, which one should she choose?

$M = \#$ of months

Sam's Club   Nor's Club

$35 + 12M = 50 + 9m$

$3M = 15$

$\boxed{M = 5 \text{ mos.}}$

Victoria should choose Nor's club since it's less per mon