Activity #22 : Review - Solving Equations - Part 1

1. Solve:

(a) $x+4=-7$ (b) $2-x=13$ (c) $15y=45$ (d) $\frac{x}{2}=-9$

2. Choose 6 of the following 12 equations to solve:

(a) $3x+2=4x-7$ (b) $2x-7+8x=13$ (c) $16x-7+4x=12x-1$

(d) $12n-28=7n-73$ (e) $15+b=5-4b$ (f) $8+3r=16-3r$

(g) $6m-10=2m-10$ (h) $0.2x=0.1x+3$ (i) $8x+1=-8x-1$

(j) $4-2a=16+2a$ (k) $0.3+0.4y=0.3y+0.9$ (l) $3a-12=3a+4$

3. Choose 8 of the following 18 equations to solve:

(a) $3(x+1)+4x=24$ (b) $8(m-3)-2(m-2)=10$

(c) $3(4-y)=2(y+5)$ (d) $3(2x-1)-(x+1)=30-3(5x-2)$

(e) $2(m-3)+(m+1)=10-(m-1)$ (f) $3(x-2)+4(x+1)=6(x+2)$

(g) $5(y+1)-5(y-1)=3(y-1)+1$ (h) $-2(n+1)-3(n+1)=2(n+1)$

(i) $6a+3(a-2)=12a+4(6-a)$ (j) $3(x-9)-4(x+1)=-5(x+3)$

Challenge:

(k) $-(y+3)+(y-4)=(3+y)-(4-y)$ (l) $-2(a+2)-(a-2)=3(a+2)-(a-2)$

(m) $3(2x-6)-(x+4)=2(4x+5)-2x$ (n) $8-4(7+6x)=2-7x+(10-x)$

(o) $7(2x+6)-3(x+5)=20x-43-4(4x-7)$ (p) $9(x+7)+2(3x+5)=12x+4-3(x+5)$

(q) $14(x-2)=4(2x-8)-2(x+4)$ (r) $7(x-3)=5(x-9)-7(2x-8)$

2. *Correct each answer*

3. *Fill in your Assessment summary sheet with the date and a self-assessment score*