

Simplify

1.  $8(x+4)$

$8x+32$

2.  $(4a-1)2$

$8a-2$

3.  $-2(3x-5)$

$-6x+10$

4.  $2(3x-1)+x$

$\boxed{6x-2} + x$

$7x-2$

5.  $6r+2(r+4)$

$\boxed{6r+2r} + 8$

$8r+8$

6.  $12y-(y-7)$

$12y-y+7$

$11y+7$

7.  $3(m+5)-10$

$3m + \boxed{15} - 10$

$3m+5$

8.  $-4(x+2)+2x$

$\boxed{-4x-8} + 2x$

$-2x-8$

10.  $5(x+2)-3(x-4)$

$\boxed{5x+10} - \boxed{3x} + 12$

$2x+22$

9.  $7(w-5)+3w$

$\boxed{7w} - 35 + \boxed{3w}$

$10w-35$

11.  $-2(c-2)+4(c-1)$

$\boxed{-2c} + 4 + \boxed{4c} - 4$

$2c$

12.  $3(b+5)-(b-2)$

$\boxed{3b} + 15 - \boxed{b} + 2$

$2b+17$

13.  $4(x-2)+3(x+9)$

$\boxed{4x} - 8 + \boxed{3x} + 27$

$7x+19$

Group 1

Division WS

Name KEYSimplify

1.  $\frac{40x+32}{8} = \frac{40x}{8} + \frac{32}{8}$

$5x+3$

2.  $\frac{36x-24}{6} = \frac{36x}{6} + \left(\frac{-24}{6}\right)$

$6x+(-4)$

3.  $\frac{2x-8}{-4} = \frac{2x}{-4} + \left(\frac{-8}{-4}\right)$

$-\frac{1}{2}x+2$

4.  $\frac{-6y+18}{3} = \frac{-6y}{3} + \left(\frac{18}{3}\right)$

$-2y+6$

5.  $\frac{-10c-20}{-5} = \frac{-10c}{-5} + \left(\frac{-20}{-5}\right)$

$2c+4$

6.  $\frac{-18-21r}{-12} = \frac{-18}{-12} + \left(\frac{-21r}{-12}\right)$

$\frac{3}{2} + \frac{7r}{4}$

7.  $\frac{36-27c}{9} = \frac{36}{9} + \left(\frac{-27c}{9}\right)$

$4+(-3c)$

8.  $\frac{-20b+12}{5} = \frac{-20b}{5} + \frac{12}{5}$

$-4b + \frac{12}{5}$