Work Sample #1

Solve each system by elimination.

1) $-r+s+2t=-2$
$2r+2s-5t=16$
$2r+s-3t=6$

2) $3x-3y-4z=-19$
$x-2y-z=-6$
$3x-y-5z=-20$

3) $-2r+3s+3t=17$
$r-5s+5t=17$
$-3r+s-4t=-24$

4) $3a-4b-5c=-14$
$a+3b+4c=18$
$5a+5b-2c=2$

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Solve each system by substitution.

5) $-2a-5b-4c=9$
$a-5b-4c=24$
$2a+4b-4c=2$

6) $-5r-s+3t=-1$
$4r-3s+4t=29$
$-4r-6s+4t=2$

7) $x-3y+4z=7$
$5x+y+z=13$
$-x-2y+4z=4$

8) $-5x-y-z=23$
$5x+6y-5z=28$
$-3x+5y+4z=3$

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