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Integer answers.

Problem	Answer	Problem	Answer
1. $x + y + z = -1$; $2x - y + z = -7$; $x + 2y - z = -4$		5. $x + y + z = -2$; $2x - y + z = -12$; $x + 2y - z = 10$	
2. $x + y + z = 2$; $2x - y + z = 4$; $x + 2y - z = 9$		6. $x + y + z = -1$; $2x - y + z = -1$; $x + 2y - z = -6$	
3. $x + y + z = -5$; $2x - y + z = -1$; $x + 2y - z = -8$		7. $x + y + z = -5$; $2x - y + z = 2$; $x + 2y - z = -2$	
4. $x + y + z = -2$; $2x - y + z = -8$; $x + 2y - z = -3$		8. $x + y + z = 1$; $2x - y + z = -7$; $x + 2y - z = -3$	

Notes

Answer key – Solve each system of three equations

#	Problem	Answer
1	$x + y + z = -1; 2x - y + z = -7; x + 2y - z = -4$	$x = -4, y = 1, z = 2$
2	$x + y + z = 2; 2x - y + z = 4; x + 2y - z = 9$	$x = 4, y = 1, z = -3$
3	$x + y + z = -5; 2x - y + z = -1; x + 2y - z = -8$	$x = -2, y = -3, z = 0$
4	$x + y + z = -2; 2x - y + z = -8; x + 2y - z = -3$	$x = -4, y = 1, z = 1$
5	$x + y + z = -2; 2x - y + z = -12; x + 2y - z = 10$	$x = -2, y = 4, z = -4$
6	$x + y + z = -1; 2x - y + z = -1; x + 2y - z = -6$	$x = -2, y = -1, z = 2$
7	$x + y + z = -5; 2x - y + z = 2; x + 2y - z = -2$	$x = 1, y = -3, z = -3$
8	$x + y + z = 1; 2x - y + z = -7; x + 2y - z = -3$	$x = -4, y = 2, z = 3$

Notes