



System of equations worksheet

Solve the system of equations by elimination method

$$3u + z = 15$$

$$u + 2z = 10$$

$$2a + 2x = 18$$

$$a + 3x = 17$$



$$\begin{aligned}-6x - 6y &= 66 \\ 2x + 4y &= -32\end{aligned}$$

$$\begin{aligned}b + v &= 8 \\ 2b + v &= 13\end{aligned}$$



$$3c + 4u = 33$$

$$6c + 3u = 36$$

$$3x + 5y + 4z = 6$$

$$-2x - 5y - 4z = -5$$

$$-6x + 2y + 4z = 0$$



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If $2p + 3q = 1$ and $4p - 5q = 13$, then what is $2p+q$ equal to?