Algebra

Name : ..... Class : .....

Score : .....

Adding like terms

Find the value of the letters in the following equations

1) 5 + X + 4 = 10 + 2x

2) 4 - Y = 1 + 2Y

3) z - 3 = 5 - 2z

4) x + 3x = 7 - x

5) y = 3y + 0

6) 5x = 10 - 3x

Algebra

Name : ..... Class : .....

Score : ..... Answers

Adding like terms

Find the value of the letters in the following equations

1) $5 + X + 4 = 10 + 2x$

$5 + 4 - 10 = 2x - x$

$-1 = x$

$x = -1$

2) $4 - Y = 1 + 2Y$

$4 - 1 = 2y + y$

$3 = 3y$

$\frac{3}{3} = \frac{3y}{3}$

$y = 1$

3) $z - 3 = 5 - 2z$

$z + 2z = 5 + 3$

$3z = 8$

$\frac{3z}{3} = \frac{8}{3}$

$z = \frac{8}{3}$

4) $x + 3x = 7 - x$

$x + 3x + x = 7$

$5x = 7$

$\frac{5x}{5} = \frac{7}{5}$

$x = \frac{7}{5}$

5) $y = 3y + 0$

$y = 3y + 0$

$y - 3y = 0$

$-2y = 0$

$y = 0$

6) $5x = 10 - 3x$

$5x = 10 - 3x$

$5x + 3x = 10$

$8x = 10$

$\frac{8x}{8} = \frac{10}{8}$

$x = \frac{10}{8}$