

**Two-Step Equations: MCQ**

1) If  $3z = 8 - z$  and  $2y - 3 = 5$ , what is the value of  $y - z$ ?

- a)  $-1$                       b)  $2$                       c)  $3$                       d)  $-2$

2) What is the value of  $r$  in the equation  $-5r + 9 = -16$ ?

- a)  $r = -2$                       b)  $r = 1$                       c)  $r = 5$                       d)  $r = -4$

3) In the equation  $5b = 15$

- a)  $b = 3$

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$b = 0$

4) In the equation  $3q = 33$

- a)  $q = 11$

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$q = -3$

5) If  $2m + 2 = 8$  and  $3w = 9$

- a)  $9$

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$3$

6) Identify the equation which has a solution at  $w = 2$

- a)  $2w - 4 = w$

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$8 + 5w = 7w$

7) Identify the equation which has a solution at  $s = 16$ .

- a)  $-s + 6 = -10$       b)  $s - 5 = 2s$       c)  $10 = 5(s - 4)$       d)  $s - 10 = 3s$

8) If  $3x - 27 = 0$ , what is the value of  $x$ ?

- a)  $x = -3$                       b)  $x = 9$                       c)  $x = 5$                       d)  $x = -9$

**Answer Key****Two-Step Equations: MCQ**

1) If  $3z = 8 - z$  and  $2y - 3 = 5$ , what is the value of  $y - z$ ?

a)  $-1$

b)  $2$

c)  $3$

d)  $-2$

2) What is the value of  $r$  in the equation  $-5r + 9 = -16$ ?

a)  $r = -2$

b)  $r = 1$

c)  $r = 5$

d)  $r = -4$

3) In the equation  $5b = 0$

a)  $b = 3$

b)  $b = 0$

4) In the equation  $3q = -3$

a)  $q = 11$

b)  $q = -3$

5) If  $2m + 2 = 8$  and  $3 = 3$

a)  $9$

b)  $3$

6) Identify the equation which has a solution at  $w = 7$

a)  $2w - 4 = w$

b)  $8 + 5w = 7w$

7) Identify the equation which has a solution at  $s = 16$ .

a)  $-s + 6 = -10$

b)  $s - 5 = 2s$

c)  $10 = 5(s - 4)$

d)  $s - 10 = 3s$

8) If  $3x - 27 = 0$ , what is the value of  $x$ ?

a)  $x = -3$

b)  $x = 9$

c)  $x = 5$

d)  $x = -9$

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