

**Two-Step Equations: MCQ**

- 1) If  $3(a + 4) = 18$  and  $-4b + 9 = 5$ , what is the value of  $\frac{a}{b}$ ?
- a) 9                      b) -2                      c) 3                      d) 2
- 2) Identify the equation which has a solution at  $y = 6$ .
- a)  $2y + 12 = 24$     b)  $y - 6 = 12$         c)  $12 = 6(y + 4)$     d)  $y - 10 = 4y$
- 3) If  $3u - 24 = 0$ , what is the value of  $u$ ?
- a)  $u = -6$                        $u = -8$
- 4) In the equation  $9m - 45 = 0$ , what is the value of  $m$ ?
- a)  $m = 5$                        $m = -5$
- 5) Identify the equation that has a solution at  $t = 2$ .
- a)  $2t - 4 = 0$                        $8 + 5t = 9t$
- 6) If  $7v = 48 - v$  and  $v = 7$ , what is the value of  $v$ ?
- a) 1                       $-5$
- 7) In the equation  $8g - h = h$ , find the value of  $h$  if  $g = 4$ .
- a)  $h = 14$                       b)  $h = -16$                       c)  $h = 12$                       d)  $h = 16$
- 8) What is the value of  $r$  in the equation  $-4r + 16 = 0$ ?
- a)  $r = -4$                       b)  $r = 8$                       c)  $r = 4$                       d)  $r = -8$

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## Answer Key

Sheet 4

### Two-Step Equations: MCQ

- 1) If  $3(a + 4) = 18$  and  $-4b + 9 = 5$ , what is the value of  $\frac{a}{b}$ ?
- a) 9                      b) -2                      c) 3                       d) 2
- 2) Identify the equation which has a solution at  $y = 6$ .
- a)  $2y + 12 = 24$     b)  $y - 6 = 12$     c)  $12 = 6(y + 4)$     d)  $y - 10 = 4y$
- 3) If  $3u - 24 = 0$ , what is the value of  $u$ ?
- a)  $u = -6$                        b)  $u = -8$
- 4) In the equation  $9m - 45 = 0$ , what is the value of  $m$ ?
- a)  $m = 5$                       b)  $m = -5$
- 5) Identify the equation that has a solution at  $t = 1$ .
- a)  $2t - 4 = 0$                        b)  $8 + 5t = 9t$
- 6) If  $7v = 48 - v$  and  $2v + 3 = 11$ , what is the value of  $v$ ?
- a) 1                       b) -5
- 7) In the equation  $8g - h = h$ , find the value of  $h$  if  $g = 4$ .
- a)  $h = 14$                       b)  $h = -16$                       c)  $h = 12$                        d)  $h = 16$
- 8) What is the value of  $r$  in the equation  $-4r + 16 = 0$ ?
- a)  $r = -4$                       b)  $r = 8$                        c)  $r = 4$                       d)  $r = -8$

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