

Grade 8: Equation Test STUDY GUIDE Show all steps for partial credit.**Solve the equation. (2 pts.)**

1 $y - 16 = 8$

1.) _____

2 $\frac{3}{7}f = -6$

2.) _____

8 $9(2c + 3) = 27 + 18c$

8.) _____

9 $2(6k - 14) = 3(k - 9)$

Solve the equation. (5 pts.)

3 $8p - 15 = 27$

9.) _____

3.) _____

Solve the equation for y. (5 pts.)

4 $1 - 3v = -2$

10 $\frac{1}{6}x + y = 7$

4.) _____

5 $7.1x + 8.6x = -94.2$

10.) _____

5.) _____

11 $6x + 3y = 12$

6 $3(2a - 1) = 14a$

11.) _____

6.) _____

12 $3x + \frac{1}{4}y = 7$

7 $-5m + 24 = 9 + m$

12.) _____

7.) _____

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Answer Section

1 $y = 24$

2 -14

3 $p = 5.25$

4 $v = 1$

5 $x = -6$

6 $a = -\frac{3}{8}$

7 $m = 2.5$

8 infinitely many solutions

9 $k = \frac{1}{9}$

10 $y = 7 - \frac{1}{6}x$

11 $y = -2x + 4$

12 $y = 28 - 12x$