

Mixed Practice (Use after 7-5)

Solve by the graphing method.

A

1. $y - x = 4$ $y = 3x + 2$	2. $x + y = 1$ $5x + y = -7$	3. $4x + 2y = 6$ $x - y = 3$
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Solve by the substitution method.

4. $a = 3b$ $a - 5b = 16$	5. $8c - d = -3$ $4c + 5d = 15$	6. $9p = 2q - 6$ $3p - q = 12$
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Solve by the addition-or-subtraction method.

7. $2a + 3b = -1$ $a - 3b = 4$	8. $5x - 9y = -3$ $4x - 3y = 6$	9. $2p + 3q + 1 = 0$ $3p + 5q + 2 = 0$
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Solve by whatever method you prefer.

B

10. $y = x + 2$ $2x + y = 11$	11. $x + y = 9$ $x - 3y = -3$	12. $3x - 2y = 1$ $4y = 7 + 3x$
13. $3x + 5y = 14$ $2x - y = -1$	14. $2a - 4b = 6$ $7 + a = -3b$	15. $r - s = 4$ $r - 6 = 2(s - 6)$
16. $a - 2b = 10$ $a + b = 2(b + 6)$	17. $t + u = 11$ $(10t + u) - (10u + t) = 27$	18. $u - t = 5$ $10t + u = 3(t + u)$
19. $4x + 3y = 1$ $6x - 2y = 21$	20. $3a + 4b = -25$ $2a - 3b = 6$	21. $5n - 2m = 1$ $4n + 5m = 47$
22. $0.04x - 0.06y = 40$ $x + y = 6000$	23. $2.4 = 0.3x + 0.4y$ $5x = 2 + 6y$	24. $3a + 2b = 4$ $\frac{1}{3}(2a + b) = 1$
25. $\frac{1}{3}(3a - 2b) = -3$ $3(a - b) = -9$	26. $\frac{5c}{4} + d = \frac{11}{2}$ $c + \frac{d}{3} = 3$	27. $2x - \frac{5}{2}y = 13$ $\frac{x}{3} + \frac{y}{3} = \frac{14}{15}$