Name _____ Date _____ Period _____

SM3 Solving for a Specified Variable

Solve for the specified variable.

1. $y = 5x - 6$ (solve for x)

2. $7x - y = 14$ (solve for x)

3. $3x + y = 7$ (solve for y)

4. $2x - 3y = 8$ (solve for y)

5. $x + 7y = 8x + 14$ (solve for y)

6. $P = \dfrac{R - C}{N}$ (solve for R)

7. $y = \dfrac{xz}{6}$ (solve for z)

8. $A = \dfrac{x + y}{2}$ (solve for y)

9. $\dfrac{cx}{d} + f = b$ (solve for x)

10. $\sqrt{b^2 - 4ac} = k$ (solve for c)

11. $\sqrt{b^2 - 4ac} = k$ (solve for b)

12. $\sqrt{b^2 - 4ac} = k$ (solve for a)

13. $y = \dfrac{x-4}{x+1}$ (solve for x)

14. $y = \dfrac{x+2}{x-6}$ (solve for x)