CC Geometry Algebra Review #2 HW#_____

Copy problems onto your own paper and show work.

Solve by substitution. Give answers in (*x, y*) form.

1. $\begin{aligned} -3x + 4y &= 1 \\ x &= 2y + 1 \end{aligned}$

2. $\begin{aligned} 6x + 2y &= 11 \\ 4x + y &= 6 \end{aligned}$

Solve by linear combination (addition elimination). Give answers in (*x, y*) form.

3. $\begin{aligned} -5x + y &= 17 \\ 3x + 2y &= 8 \end{aligned}$

4. $\begin{aligned} 2x - 7y &= -10 \\ 3x + 2y &= 10 \end{aligned}$

5. $\begin{aligned} 3x + 4y &= -6 \\ 7x + 5y &= -1 \end{aligned}$

Solve each equation for *x*.

6. $x^2 - 9x + 20 = 0$

7. $x^2 - 18x - 40 = 0$

8. $3x^2 - 7x + 2 = 0$

9. $2x^2 + 7x - 4 = 0$

10. $2x^2 = 144$

11. $3x^2 - 19 = 77$

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