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1. a) $y = -2x + 5$ b) $-2x - y + 5 = 0$ c) $\frac{2}{5}x + \frac{y}{5} = 1$
2. a) $y = \frac{3}{2}x - 5$ b) $3x - 2y - 10 = 0$ c) $\frac{3}{10}x - \frac{y}{5} = 1$
3. a) $y = -2x + 3$ b) $-2x - y + 3 = 0$ c) $\frac{2}{3}x + \frac{y}{3} = 1$
4. $y = -\frac{3}{2}x + 3$ $-3x - 2y + 6 = 0$ $\frac{x}{2} + \frac{y}{3} = 1$
5. a) $y = \frac{4}{3}x$ b) $4x - 3y = 0$
6. a) $x - 2 = 0$
b) $y + 3 = 0$
7. a) $y = -2x + 5$ b) $y = -\frac{3}{4}x + 1$
c) $y = 5$ d) $x = -2$
8. a) $y = -\frac{3}{4}x + 1$ b) $y = -5x + 3$
c) $x = 2$ d) $y = -3$
9. a) $\frac{x}{-2} + \frac{y}{3} = 1$ b) $-\frac{4}{3}x + \frac{3}{2}y = 1$
c) $y = 1$ d) $x = -2$
10. $y = \frac{2}{3}x - 1$ or $2x - 3y - 3 = 0$
11. $y = -2x + 3$ or $\frac{x}{2} + \frac{y}{6} = 1$

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12. $y = -\frac{4}{3}x + 3$ or $-4x - 3y + 9 = 0$

13. $y = -\frac{4}{3}x + 7$ or $\frac{4}{21}x + \frac{y}{7} = 1$

14. $y = 2x + 1$

15. $y = -4x + 9$

16. $y = \frac{3}{2}x - 2$

17. a) True

b) True

c) True