Algebra 1 - Solving Equations For Varibles

Solve each of the following for y:

1. $-2y - 3x - 16 = 0$ $\qquad [\, y = \ -8 - \frac{3x}{2} \,]$

2. $\frac{1}{2}(10 - 6y) = 4x - 2y + 8$ $\qquad [\, y = \ -3 - 4x \,]$

3. $3x + 5y = \ -10$ $\qquad [\, y = \ -2 - \frac{3x}{5} \,]$

4. $\frac{4y}{5} + 6x = 1 - y$ $\qquad$ $\left[\, y = \frac{5}{9} - \frac{10x}{3} \,\right]$

5. $3x - 7y + 2 = 0$ $\qquad$ $\left[\, y = \frac{3x+2}{7} \,\right]$

6. $2y + \frac{1}{3}(9 - 6x) = 4x - 5$ $\qquad$ $\left[\, y = 3x - 4 \,\right]$

7. $5y - 8x + 4 = \frac{3}{2}(x + 7)$ $[\, y = \frac{19x+13}{10} \,]$

8. $\frac{2}{5}(5x - 3y) + 8 = 2x + y$ $[\, y = \frac{40}{11} \,]$

9. $7x + \frac{1}{2}(4y - 6) = 3y - 2x$ $[\, y = 9x - 3 \,]$

10. $4y - \frac{1}{4}(8x - 16) = 3x + 7$ [$y = \frac{5x+3}{4}$]