205. 1. $y = \pm 1$ or $\pm\sqrt{\frac{1}{7}}$; $x = 2y$ or $-4y$.

2. $y = \pm\frac{1}{2}$ or $\pm\frac{4}{\sqrt{19}}$; $x = \mp\frac{3}{2}$ or $\pm\frac{3}{\sqrt{19}}$.

207. 1. $x = \pm 5$; $y = \pm 2$. 2. $x = \pm 8$; $y = \pm 3$.

3. $x = \frac{1}{2}(5 \pm \sqrt{5})$; $y = \frac{1}{2}(5 \mp \sqrt{5})$.

4. $y = 7$ or 2; $x = 2$ or 7. 5. $x = 5$ or 7; $y = 7$ or 5.

6. $x = \pm 9$; $y = \mp 2$. 7. $x = \pm 25$; $y = \pm 9$.

8. $x = \pm\frac{b}{\sqrt{a+b}}$; $y = \pm\frac{a}{\sqrt{a+b}}$. 9. $x=2$; $y=1$.

10. $x = a(a \pm b)$; $y = b(a \pm b)$. 11. $x = 4$; $y = 5$.

12. $x = \frac{3}{5}$; $y = \frac{1}{5}$. 13. $x = \frac{4}{15}$; $y = \frac{1}{15}$.

14. $x = 5$; $y = 1$ or 2; $z = 2$ or 1. 15. $x = 5$; $y = 3$.

16. Time, 6 or 7; rate, 7 or 6. 17. Dist., 30 or $46\frac{2}{3}$.

18. $x = \frac{1}{2}\left(\sqrt{a^2 + 4b^2} + \sqrt{a^2 - 4b^2}\right)$;

$y = \frac{1}{2}\left(\sqrt{a^2 + 4b^2} - \sqrt{a^2 - 4b^2}\right)$.

19. $\frac{1}{2}(1 \pm \sqrt{5})$ and $\frac{1}{2}(3 \pm \sqrt{5})$.

20. 24 and 9, or -12 and -18. 21. 49 and 25.

22. 64 and 8.

23. $m + n \mp \sqrt{m^2 + n^2}$ and $m + n \pm \sqrt{m^2 + n^2}$.

24. 12 men working 12 h. 25. 8; 10.

26. $x = \pm 6$; $y = \pm 4$. 27. 11; 3.

210. 7. 14075. 8. 5050. 10. n^2. 11. $n^2 + n$.

12. Lowest, $140 - 6m$; all, $137m - 3m^2$,

16. 0, 2, 4, 6, 8. 17. 951. 18. 4, 10, 16. 19. 11 or 8.

21. 10 or 16 d. 22. 9 days. 23. 2, 5, 8, 11, 14.

25. 2, 6, 10, 14, 18, 22, 26, 30, 34, 38. 27. 3, 5, ... 29.

28. a, $a + \frac{l-a}{i+1}$, $a + \frac{2(l-a)}{i+1}$, etc.

212. 6. Last nail, \$21474836.48; all, \$42949672.95. 7. 246.

12. 5 or $\frac{1}{5}$.

214. 1. $\frac{1}{2}$. 2. 2. 3. $\frac{1}{10}$. 4. $\frac{4}{5}$. 5. $\frac{1}{b}$. 6. $\frac{a}{b}$. 7. $\frac{m^2-2m}{m^2-1}$.