

$$17. \frac{7}{9}; 18. \frac{6-3a}{6a-2b}; 19. \frac{a-b}{7}; 20. \frac{7a}{4}; 21. \frac{3ab+c}{1+4c-8b};$$

$$22. \frac{a+b}{4}; 23. \frac{ab-cd-1}{18}.$$

Ex. XV.—1.  $x=5, y=4$ ; 2.  $x=11, y=3$ ; 3.  $x=18, y=15$ ; 4.  $x=10, y=8$ ; 5.  $x = \frac{10c-8b}{ac-b^2},$

$$y = \frac{8a-10b}{ac-b^2}; 6. x = \frac{bd+cn}{an+bm}, y = \frac{cm-ad}{an+bm};$$

7.  $x=10, y=2$ ; 8.  $x=a-b-10, y=2a-2b-10$ ;

9.  $x = \frac{de-ac}{b-c}, y = \frac{ab-de}{b-c}$ ; 10.  $x=15, y=5$ ; 11.  $x=16, y=7$ ; 12.  $x=12, y=6$ .

Ex. XVI.—1.  $x=2, y=3, z=4$ ; 2.  $x=5, y=2, z=8$ ; 3.  $x=4, y=6, z=3$ ; 4.  $x=8, y=9, z=12$ .

Ex. XVII.—1. 36; 2. 27; 3. 20; 4. 20; 5. 15 and 8; 6. 9 and 5; 7. 15; 8.  $\frac{1}{2}$ ; 9. \$100 and \$50; 10. 18; 11. \$35 and \$25; 12. \$800, \$1600 and \$4800; 13. 759 and 525; 14. £240; 15. 60 and 32; 16. 7, 9, and 11; 17. 8 and 5 per cent; 18. 216; 19.  $\frac{a+b}{2}$  and  $\frac{a-b}{2}$ . 20. 500 pp. and \$1.80.

Ex. XVIII.—1. 3 or -7; 2. 9 or -1; 3. 4 or -2; 4. 38; 5.  $1+\sqrt{a+1}$ ; 6.  $\frac{b}{2a} \pm \sqrt{\frac{c}{a} + \frac{b^2}{4a^2}}$ ; 7. 4 and 3; 8. 9 and 3; 9. 10; 10. 20 and 12; 11. 12 and 2; 12. 12.

THE END.