

1. 10

2. $10 - 2\sqrt{21}$

3. $\sqrt{7} + \sqrt{3}$

4. $42 + 7\sqrt{2} - 6\sqrt{14} - 2\sqrt{7}$

5. $-\frac{\sqrt{6} + \sqrt{3} + 4\sqrt{2} + 4}{13}$

6. $x = 14$

7. $x = 1$

8. $x = -2, -3$

9. $x = 9$

10. $x = 3\sqrt{2}$

11. $y = 8$