

Simplify:

1.  $3\sqrt{5} + 5\sqrt{5} - 3\sqrt{5}$

- [A]
- $11\sqrt{5}$
- [B]
- $5\sqrt{5}$
- [C]
- $\sqrt{25}$
- [D] 25

2.  $9\sqrt{3} + 2\sqrt{3} - 2\sqrt{3}$

- [A]
- $\sqrt{27}$
- [B] 27
- 
- [C]
- $13\sqrt{3}$
- [D]
- $9\sqrt{3}$

3.  $7\sqrt{2} + 6\sqrt{2} - 5\sqrt{2}$

- [A]
- $8\sqrt{2}$
- [B] 16
- 
- [C]
- $\sqrt{16}$
- [D]
- $18\sqrt{2}$

4.  $3\sqrt{3} - 3\sqrt{49} + 4\sqrt{48}$

5.  $5\sqrt{2} - \sqrt{25} + 3\sqrt{8}$

6.  $7\sqrt{6} - 2\sqrt{9} + 2\sqrt{54}$

7.  $-8\sqrt{7} - \sqrt{36} - 5\sqrt{63}$

8.  $-9\sqrt{5} - 2\sqrt{4} + 9\sqrt{20}$

9. Simplify  $\frac{4\sqrt{3} - \sqrt{3}}{6}$ .

- [A]
- $\frac{\sqrt{3}}{2}$
- [B]
- $\frac{2}{3}$
- [C] 2
- 
- [D] 6 [E] 0

10. Darin simplified
- $5\sqrt{5} + 2\sqrt{5}$
- and got 15.7. Martha simplified the same expression and got 50. Use a calculator to determine who got the correct answer.

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[1] B

[2] D

[3] A

[4]  $19\sqrt{3} - 21$

[5]  $11\sqrt{2} - 5$

[6]  $13\sqrt{6} - 6$

[7]  $-23\sqrt{7} - 6$

[8]  $9\sqrt{5} - 4$

[9] A

[10] Darin got the correct answer.