1. Is the sequence arithmetic? If so, find the common difference.
\(-2.4, 6.4, 15.2, 24\)
[A] no  [B] yes, 8.8  
[C] yes, 8.9  [D] yes, 8.6

2. Is the sequence arithmetic? If so, find the common difference.
\(-6.9, -10, -13.1, -16.2\)
[A] yes, -3.3  [B] yes, -3  
[C] no  [D] yes, -3.1

3. Is the sequence arithmetic? If so, find the common difference.
\(11.1, 21.6, 32.2, 42.6\)
[A] yes, 10.4  [B] no  
[C] yes, 10.7  [D] yes, 10.5

4. Is the sequence arithmetic? If so, find the common difference.
\(-8.4, 5.5, 19.4, 33.3\)
[A] yes, 14  [B] yes, 13.9  
[C] yes, 13.7  [D] no

5. Is the sequence arithmetic? If so, find the common difference.
\(11.1, 18.2, 25.3, 32.4\)
[A] no  [B] yes, 7.2  
[C] yes, 6.9  [D] yes, 7.1

6. Find the common ratio:
\(3, \frac{4}{3}, \ldots\)
[A] \(-\frac{3}{2}\)  [B] \(\frac{2}{3}\)  
[C] \(\frac{3}{2}\)  [D] \(-\frac{2}{3}\)

7. Find the common ratio:
\(-\frac{1}{2}, -\frac{2}{5}, -\frac{8}{25}, \ldots\)
[A] \(-\frac{5}{4}\)  [B] \(\frac{5}{4}\)  
[C] \(-\frac{4}{5}\)  [D] \(\frac{4}{5}\)

8. Find the common ratio:
\(\frac{1}{3}, \frac{1}{9}, \frac{1}{27}, \ldots\)
[A] \(-3\)  [B] \(\frac{1}{3}\)  
[C] \(-\frac{1}{3}\)  [D] 3

9. Find the common ratio:
\(-\frac{2}{5}, -1, -\frac{5}{2}, \ldots\)
[A] \(\frac{5}{2}\)  [B] \(-\frac{2}{5}\)  
[C] \(\frac{2}{5}\)  [D] \(-\frac{5}{2}\)

10. Find the common ratio:
\(\frac{3}{4}, \frac{3}{16}, \frac{3}{64}, \ldots\)
[A] \(\frac{1}{4}\)  [B] \(-4\)  
[C] \(-\frac{1}{4}\)  [D] 4
[1] B  
[2] D  
[3] B  
[4] B  
[5] D  
[6] B  
[7] D  
[8] B  
[9] A  
[10] A  