## Determining Pattern Rule

Determine which choice best describes the rule the pattern is using.

<table>
<thead>
<tr>
<th>Pattern</th>
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| 1) 8, 12, 16, 20, 24, 28, 32 | A. Subtract 10  
B. Multiply 10  
C. Add 4  
D. Add 2 | 1. C |
| 2) 3, 15, 75, 375 | A. Add 7  
B. Multiply 5  
C. Divide 7  
D. Multiply 6 | 2. B |
| 3) 6, 10, 14, 18, 22, 26, 30 | A. Multiply 10  
B. Add 4  
C. Multiply 3  
D. Add 9 | 3. B |
| 4) 25, 20, 15, 10, 5 | A. Subtract 2  
B. Subtract 5  
C. Subtract 4  
D. Divide 9 | 4. B |
| 5) 192, 48, 12, 3 | A. Subtract 10  
B. Divide 4  
C. Subtract 5  
D. Add 7 | 5. B |
| 6) 24, 12, 6, 3 | A. Divide 2  
B. Divide 4  
C. Subtract 5  
D. Multiply 10 | 6. A |
| 7) 8, 32, 128, 512 | A. Multiply 9  
B. Divide 2  
C. Multiply 4  
D. Multiply 7 | 7. C |
| 8) 63, 54, 45, 36, 27, 18, 9 | A. Subtract 8  
B. Add 7  
C. Subtract 9  
D. Subtract 2 | 8. C |
| 9) 3, 11, 19, 27, 35, 43, 51 | A. Multiply 3  
B. Add 8  
C. Subtract 9  
D. Subtract 2 | 9. B |
| 10) 256, 64, 16, 4 | A. Divide 4  
B. Divide 3  
C. Subtract 3  
D. Multiply 7 | 10. A |
| 11) 324, 108, 36, 12, 4 | A. Add 5  
B. Divide 9  
C. Multiply 9  
D. Divide 3 | 11. C |
| 12) 7, 15, 23, 31, 39 | A. Multiply 6  
B. Add 9  
C. Add 8  
D. Subtract 4 | 12. D |
Determine which choice best describes the rule the pattern is using.

1) 8, 12, 16, 20, 24, 28, 32
   A. Subtract 10
   B. Multiply 10
   C. Add 4
   D. Add 2

2) 3, 15, 75, 375
   A. Add 7
   B. Multiply 5
   C. Divide 7
   D. Multiply 6

3) 6, 10, 14, 18, 22, 26, 30
   A. Multiply 10
   B. Add 4
   C. Multiply 3
   D. Add 9

4) 25, 20, 15, 10, 5
   A. Subtract 2
   B. Subtract 5
   C. Subtract 4
   D. Divide 9

5) 192, 48, 12, 3
   A. Subtract 10
   B. Divide 4
   C. Subtract 5
   D. Add 7

6) 24, 12, 6, 3
   A. Divide 2
   B. Divide 4
   C. Subtract 5
   D. Multiply 10

7) 8, 32, 128, 512
   A. Multiply 9
   B. Divide 2
   C. Multiply 4
   D. Multiply 7

8) 63, 54, 45, 36, 27, 18, 9
   A. Subtract 8
   B. Add 7
   C. Subtract 9
   D. Subtract 2

9) 3, 11, 19, 27, 35, 43, 51
   A. Multiply 3
   B. Add 8
   C. Subtract 9
   D. Subtract 2

10) 256, 64, 16, 4
    A. Divide 4
    B. Divide 3
    C. Subtract 3
    D. Multiply 7

11) 324, 108, 36, 12, 4
    A. Add 5
    B. Divide 9
    C. Multiply 9
    D. Divide 3

12) 7, 15, 23, 31, 39
    A. Multiply 6
    B. Add 9
    C. Add 8
    D. Subtract 4