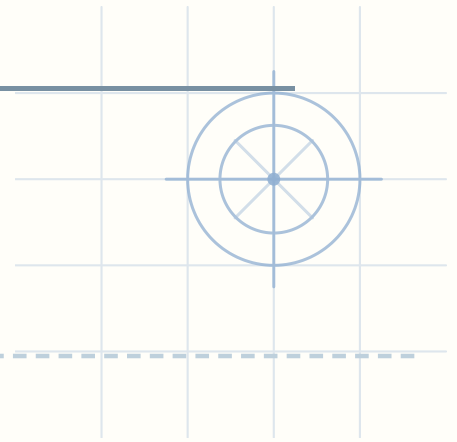


Name: _____

Date: _____

Find the term shown for each geometric sequence.



1 $1, -3, 9, \dots$ the 8th term = _____

2 $5, 10, 20, \dots$ the 7th term = _____

3 $6, -12, 24, \dots$ the 6th term = _____

4 $7, 14, 28, \dots$ the 7th term = _____

5 $2, 4, 8, \dots$ the 7th term = _____

6 $3, 6, 12, \dots$ the 7th term = _____

7 $4, -8, 16, \dots$ the 7th term = _____

8 $1, 2, 4, \dots$ the 7th term = _____



Arithmetic and geometric sequences · The nth term of a geometric sequence — Answer key

1. 1, -3, 9, ... the 8th term = -2187

2. 5, 10, 20, ... the 7th term = 320

3. 6, -12, 24, ... the 6th term = -192

4. 7, 14, 28, ... the 7th term = 448

5. 2, 4, 8, ... the 7th term = 128

6. 3, 6, 12, ... the 7th term = 192

7. 4, -8, 16, ... the 7th term = 256

8. 1, 2, 4, ... the 7th term = 64

