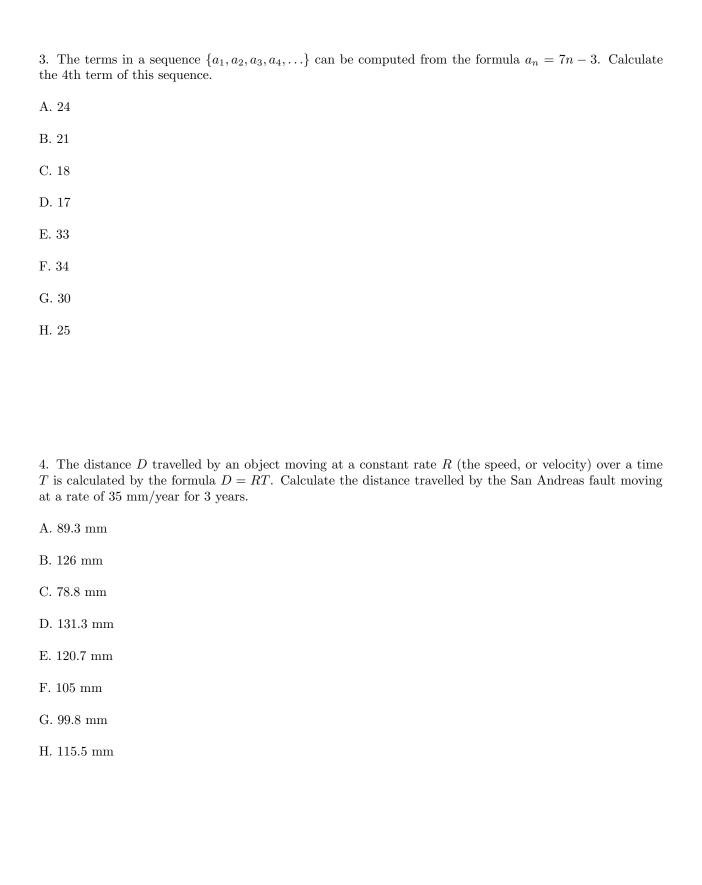
- 1. Use the formula  $m = \frac{y_2 y_1}{x_2 x_1}$  to calculate the slope m of a line passing through the points (2,7) and (-2,6)
- A.  $-\frac{1}{4}$
- B. Undefined
- C.  $\frac{7}{12}$
- D.  $\frac{1}{12}$
- E.  $\frac{1}{4}$
- F.  $-\frac{7}{12}$
- G.  $\frac{5}{12}$
- H.  $\frac{1}{2}$

- 2. Evaluate the expression  $-b^2 8c^2$  at the values b = 1 and c = 4.
- A. -121
- B. -135
- C. -122
- D. -126
- E. -134
- F. -138
- G. -133
- H. -129



- 5. Evaluate the expression  $-6z^2 + 2z + 1$  at the value z = 3.
- A. -39
- B. -41
- C. -46
- D. -44
- E. -47
- F. -43
- G. -40
- H. -48

6. Evaluate the expression at the values z = -1 and c = 2.

$$\frac{-3z^2 + 6c^2}{-5z - 8c}$$

- A.  $-\frac{52}{33}$
- B.  $-\frac{137}{66}$
- C.  $-\frac{51}{44}$
- D. Undefined
- E.  $-\frac{53}{22}$
- F.  $-\frac{21}{11}$
- G.  $-\frac{74}{33}$
- H.  $-\frac{117}{44}$

- 7. Use the formula I=PRT to calculate the interest for an investment of \$2000 at 7.25 percent for 1 year. Round your answer to the nearest dollar.
- A. 145
- B.217
- C. 206
- D.228
- E. 187
- F.196
- G. 166
- H.177
- 8. Evaluate the expression at the value c = 3.

$$\frac{4c^2 + 3c - 6}{-5c^2 - 2c - 5}$$

- A.  $-\frac{53}{56}$
- B.  $-\frac{5}{168}$
- C.  $\frac{23}{168}$
- D. Undefined
- E.  $-\frac{39}{56}$
- F.  $-\frac{61}{168}$
- G.  $-\frac{257}{168}$
- H.  $-\frac{229}{168}$