

Name _____

LESSON 6 QUIZ STUDY GUIDE

- 1) A whale descends 339.5 feet in 35 seconds.

-339.5 in 35 seconds

Part A

Write an expression that can be used to find the average elevation change of the whale during its descent, in feet per second.

Answer: -9.7

$$\begin{array}{r} 35 \overline{) 339.5} \\ \underline{315.0} \\ 24.5 \end{array}$$

Part B

The whale's elevation changes at a constant rate. What is the elevation change of the whale after 6 seconds?

Answer: -58.2 feet

$$\begin{array}{r} -9.7 \\ \times 6 \\ \hline -58.2 \end{array}$$

- 2) The table shows yesterday's change in value of four different stocks.

Stock	Change in Value
A	-\$1.25
B	-\$0.50
C	-\$1.50
D	-\$0.25

$$\begin{array}{r} \text{A. } -0.50 \\ \times 3 \\ \hline -1.50 \end{array}$$

B.

$$\begin{array}{r} \text{D. } .25 \\ \times 3 \\ \hline .75 \end{array}$$

Which of the following statements are true? Choose all that apply.

- ☒ A The change in value of Stock C is 3 times as much as the change in value of Stock B.
- ☒ B The change in value of Stock D is 4 times as much as the change in value of Stock C.
- ☒ C The change in value of Stock B is 4 times as much as the change in value of Stock A.
- ☒ D The change in value of Stock A is 3 times as much as the change in value of Stock D.