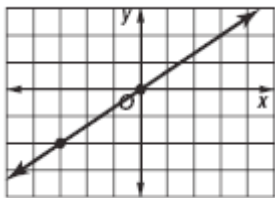


Benchmark 2 Homework 2**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

- 1 Express 9 inches:3 yards in simplest form.
A 3:1
B 1:4
C 12:1
D 1:12
- 2 Express 112 passengers to 8 minivans in simplest form.
A 14 to 1
B 896 to 1
C 28 to 1
D 1 to 14
- 3 Express \$10.78 for 11 dozen eggs as a unit rate.
A \$0.22/dozen
B \$0.89/dozen
C \$1.20/dozen
D \$0.98/dozen
- 4 Solve $\frac{a}{36} = \frac{3}{8}$.
A $\frac{2}{3}$
B 12
C 13.5
D 96
- 5 **FUEL ECONOMY** A car uses 40 gallons of gasoline to travel 980 miles. How many miles will the car travel on 5 gallons of gasoline?
A 4.9 mi
B 250 mi
C 175.5 mi
D 122.5 mi
- 6 **MAPS** The distance between two cities on a map is $4\frac{1}{8}$ inches. Find the actual distance if the scale on the map is 2 inches = 40 miles.
A 165 mi
B 100 mi
C $82\frac{1}{2}$ mi
D $41\frac{1}{4}$ mi
- 7 **TRAVEL** It is 125 miles from San Diego to Los Angeles. How many kilometers is this?
A 2,011.68
B 201.17
C 135
D 77.67
- 8 **YARDS** The Browns' backyard is 1,200 square feet. How many square meters is this?
A 111.48
B 1,003.35
C 1,312.34
D 12,916.69
- 9 **LANDSCAPING** A bag of gravel is 1 cubic foot. How many cubic centimeters is this?
A 28,316.85
B 1,728
C 16.39
D 2.54

- 10 Find the rate of change of the line.



- A $\frac{2}{3}$
B $-\frac{2}{3}$
C $\frac{3}{2}$
D $-\frac{3}{2}$

The points given in each table lie on a line. Find the rate of change of the line.

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x	-5	0	5	10
y	4	4	4	4

- A 5
B -5
C 0
D 4

12

x	1	5	9	13
y	-6	-3	0	3

- A $-\frac{4}{3}$
B $-\frac{3}{4}$
C $\frac{3}{4}$
D $\frac{4}{3}$