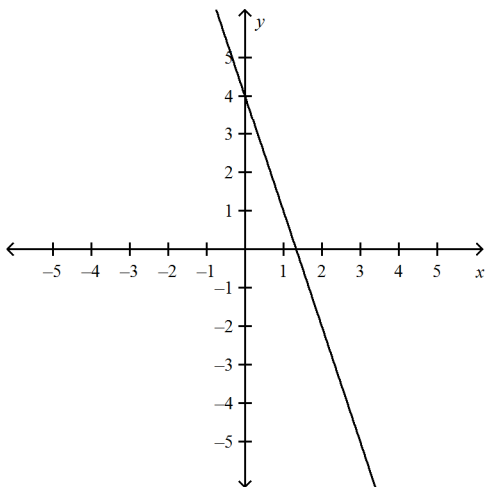


Algebra II Practice Quiz 2.4**Short Answer**

1. (5 points) Write the equation of the graphed line in slope-intercept form.



2. (5 points) Find the slope of the line that passes through the points (1, 3) and (9, 7).

3. (5 points) In slope-intercept form, write the equation of the line that contains the points in the table.

x	-2	0	2	4	6
y	-3	1	5	9	13

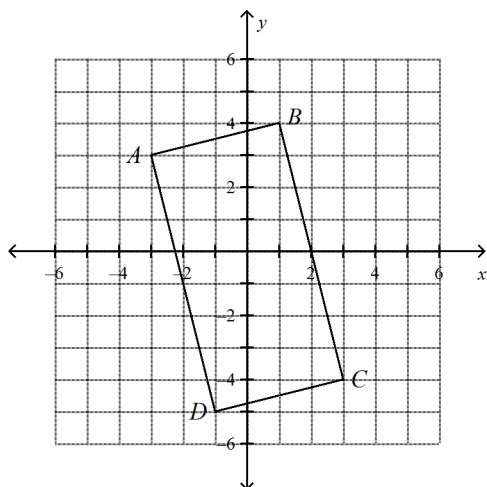
4. (5 points) After the first three miles, the cost of a taxi ride is a linear function of the trip length. Express the taxi cost as a function of the trip length. Graph the relationship between the taxi cost and the trip length. If a 5-mile ride costs \$5.00 and a 10-mile ride costs \$8.75, how much does a 16-mile ride cost?

5. (5 points) In slope-intercept form, write the equation of the line that is parallel to $y = -2x - 9$ and passes through $(-2, -4)$.

Name: _____

ID: A

6. (5 points) Find the slope of each segment and then classify the quadrilateral.



Algebra II Practice Quiz 2.4

Answer Section

SHORT ANSWER

1. ANS:
 $y = -3x + 4$

PTS: 5

REF: Page 115

2. ANS:
 $\frac{1}{2}$

PTS: 5

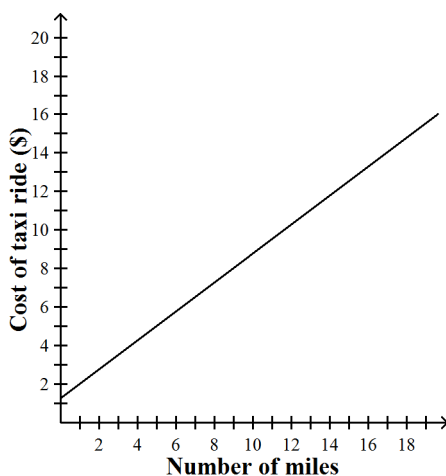
REF: Page 116

3. ANS:
 $y = 2x + 1$

PTS: 5

REF: Page 117

4. ANS:
 $y = 0.75x + 1.25$



The 16-mile ride costs \$13.25.

PTS: 5

REF: Page 118

5. ANS:
 $y = \frac{1}{2}x + 8$

PTS: 5

REF: Page 119

6. ANS:
 The slope of $\overline{AB}$ and $\overline{DC}$ is $\frac{1}{4}$. The slope of $\overline{BC}$ and $\overline{AD}$ is -4 .
 The quadrilateral is a rectangle.

PTS: 5