

Algebra II Practice Quiz 2.5**Short Answer**

1. (5 points) Graph the inequality $y > \frac{3}{4}x - 2$.

2. (5 points) Graph $16x + 8y \geq 32$ using intercepts.

3. (5 points) A music store is selling posters and CDs. Each poster gives a profit of \$3.00 and each CD gives a profit of \$5.00. The store needs to make an average profit of \$200 per hour to stay in business. Let x represent the number of posters sold and y represent the number of CDs sold. Write and graph an inequality showing how many of each item (posters and CDs) the store needs to sell per hour to make a sufficient profit.

4. (5 points) Solve $\frac{3}{4}(5x - y) < 3$ for y . Graph the solution.

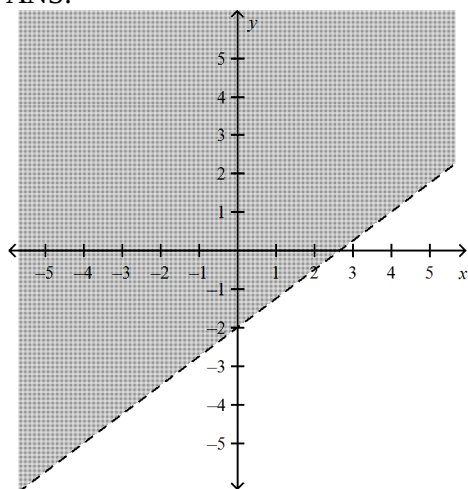
5. (5 points) Graph the inequality $5(5x - 4y) < 3(2 + 8x) - 17y$.

Algebra II Practice Quiz 2.5

Answer Section

SHORT ANSWER

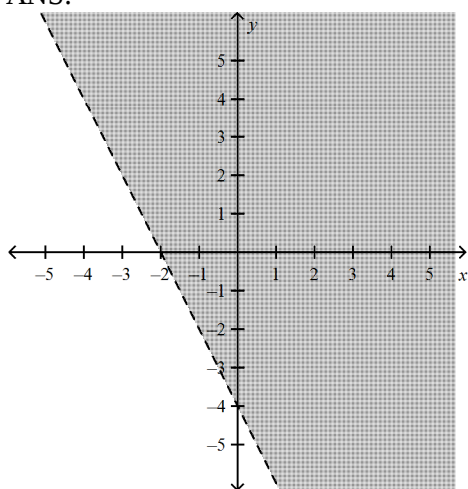
1. ANS:



PTS: 5

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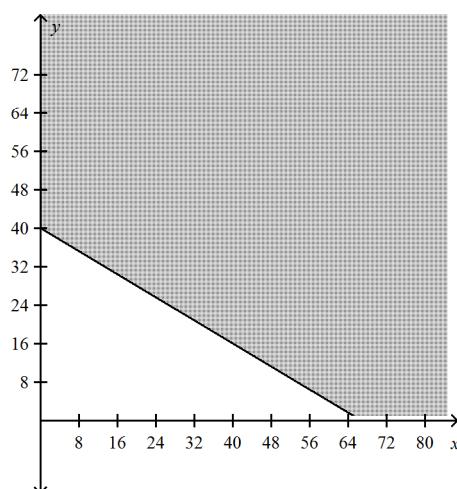
2. ANS:



PTS: 5

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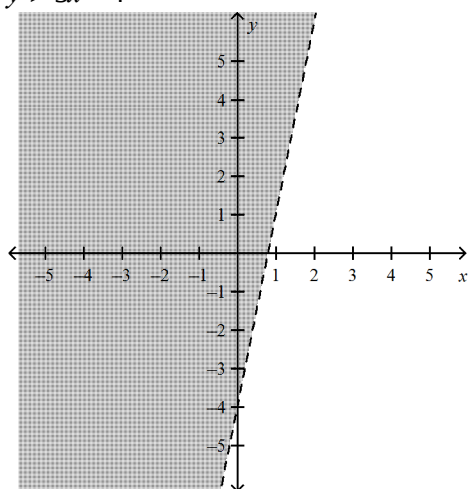
3. ANS:
 $3x + 5y \geq 200$



PTS: 5

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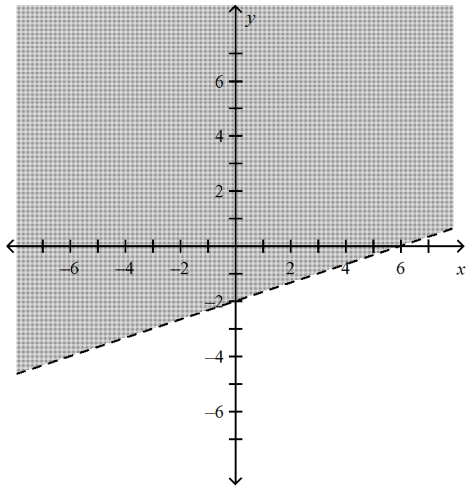
4. ANS:
 $y > 5x - 4$



PTS: 5

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5. ANS:



PTS: 5