

Name _____

Mrs. Roubos

Date _____

8A CCA1 Period _____

Take Home Quiz #9

Due _____

Show all work where possible

1) Solve for x: $4x^2 - 27 = x^2$

2) Solve for x: $x^2 + 4x = 12$

3) Solve for x by factoring:

$$\frac{x+5}{3} = \frac{10}{x-8}$$

4) Solve for x by factoring:

$$2x^2 + 10x + 8 = 0$$

5) Solve for x by factoring:

$$50x^2 = 5x$$

6) Solve for x: $2x^2 - 96 = 0$

7) Solve the following word problem using LESC

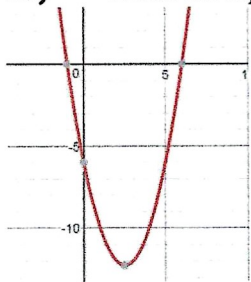
The square of a number decreased by 4 times the number equals 21. Find the number.

8 - 9: Solve the following quadratic equations.

8) $5x^2 + 25x = 0$

9) $\frac{x-2}{x} = \frac{5}{x}$

10) Write an equation for the following graph.



11) Solve for x: $x^2 - 147 = 0$