

Quiz 3.28.14 A

Friday, March 28, 2014
7:04 AM

Marvelous Mathematician _____

Period _____

1) **Simplify** $(3 - 8)^2 + 12 \div 4 \cdot 2 - 5 \cdot 3$

2) **Solve** $-4(x - 3) = 2(2x - 9)$

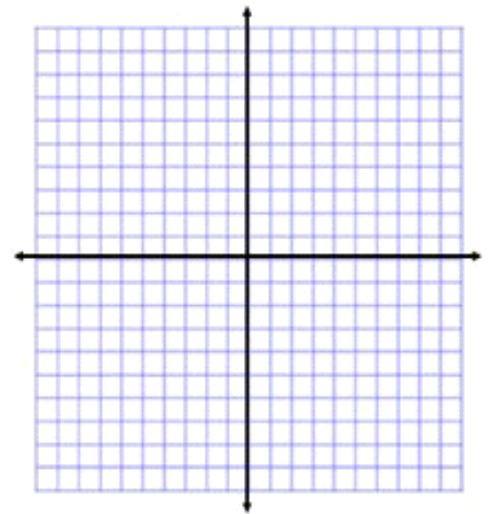
3) **Graph the system of linear inequalities**

$$y > -3x + 2$$

$$y \geq \frac{2}{3}x - 1$$

4) **Solve the quadratic by factoring or the quadratic formula**

$$y = 2x^2 + 14x + 20$$



5) **Systems word problem:** Jaqui downloaded 7 items from iTunes and spent \$31. Each single song costs \$1 and an album costs \$9. How many singles did she download? How many albums did she download?

6) **Simplify the radical** $\sqrt{78}$