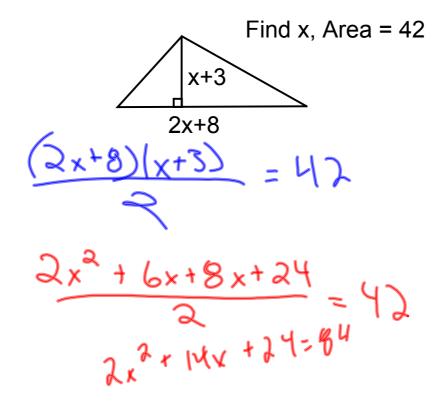
Bellwork:



Chapter 4.4: Solve ax²+bx+c=0 by Factoring

factor using rainbow method!!!!

ex. Factor
$$5x^2-17x+6$$
 3 b $(5x-2)(1x-3)$

ex. Factor
$$3x^2+20x-7$$
 $+31$
 $(3x-1)(1x+7)$

- ex. Factor Special Cases.
 - a. $9x^2-64$

b. 4y²+20y+25

c. 36w²-12w+1

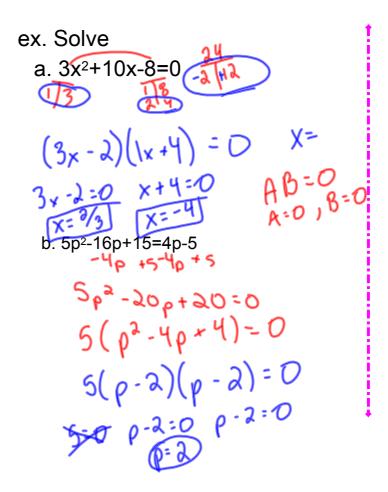
ex. Factor:

a.
$$5x^{2}-45$$

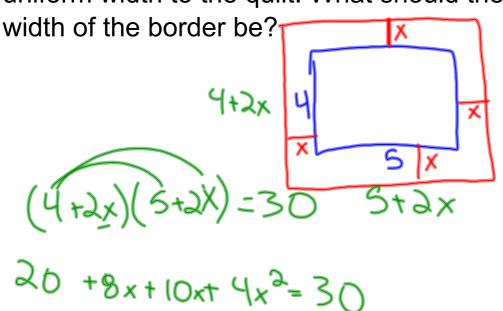
 $5(x^{2}-9)$
 $5(x-3)(x+3)$

c.
$$-5z^2+20z$$

b. 6q²-14q+8



ex. You have made a rectangular quilt that is 5ft by 4ft. You want to use the remaining 10 square feet of fabric to add a border of uniform width to the quilt. What should the



ex. A monthly teen magazine has 28,000 subscribers when it charges \$10 per annual subscription. For each \$1 increase in price, the magazine looses about 2000 subscribers. How much should the magazine charge to maximize annual revenue? what is the maximum annual revenue?

Homework: Chapter 4.4 pg.263 #'s 4-48e,56,58,66