Algebra 1 Tuesday, May 24, 2016 Bellwork

- 1. Find the EXACT solutions to each equation using square roots.
- a) $2x^2 + 8 = 56$

b) $(x-3)^2-5=76$

- 2. Factor each completely.
- a) $3x^3 9x^2 84x$

b) $8x^2 + 2x - 15$

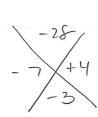
Bellwork Algebra 1 Tuesday, May 24, 2016 1. Find the EXACT solutions to each equation using square roots.



a) $2x^2 + 8 = 56$

2. Factor each completely.

a)
$$3x^3 - 9x^2 - 84x$$



$$3x(x^2-3x-26)$$
 $3x(x-7)(x+4)$

b)
$$(x-3)^2 - 5 = 76$$

 $+5$ $+5$
 $(x-3)^2 = |8|$
 $x - 3 = \pm 9$
 $x = 9 + 3$

b)
$$8x^2 + 2x - 15$$

