- 1. Write the equation of the quadratic that has the following zeros: point (-2, 96)
- and passes through the

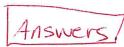
Factor each completely.

2.
$$3x^4 - 10x^2 - 8$$

3.
$$4x^3 - 8x^2 - 60x$$

4.
$$24x^3 - 6x$$

Tuesday, December 8, 2015 Bellwork



1. Write the equation of the quadratic that has the following zeros: and passes through the

$$y = \alpha (x+4)(3x-2)$$

1. Write the equation of the quadratic that has the following zeros:
$$-4 \& \frac{2}{3}$$
 and passes through the point $(-2,96)$
 $2ero = -4 \Rightarrow Factor = (x+4)$
 $2ero = \frac{2}{3} \Rightarrow Factor = (3 \times -2)$

Factor each completely.

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2.
$$3x^4 - 10x^2 - 8$$

$$= \left(\chi^2 - 4\right) \left(3\chi^2 + 2\right)$$

$$= \left(\chi \pm 2\right) \left(3\chi^2 + 2\right)$$

$$= 4x(x^2 - 2x - 15)$$

$$= 4x(x^2 - 2x - 15)$$

$$= 4x(x^2 - 2x - 15)$$

$$C = 6x (4x^2-1)$$

= $6x (2x \pm 1)$