

Warm-Up

$$200x^2 - 50$$
$$50(2x-1)(2x-1)$$

$$3x^2 + 81$$
$$3(x^2 - 27)$$

$$x^2 + 8x + 16$$
$$(x+4)(x+4)$$

$$3x^2 - 11x - 20$$



Take your
notes out



Ask questions

$$25. \frac{8x^3 - 64}{(2x-4)(4x^2+8x+16)}$$

$a = \sqrt[3]{8x^3} \quad b = \sqrt[3]{64}$
 $a = 2x \quad b = 4$

$$26. x^2 + 3x - 18$$
$$(x-3)(x+6)$$

$$28. \frac{(18x^3 + 30x^2) + (3x + 5)}{(6x^2 + 1)(3x + 5)}$$

$$29. 3x^3 + 24$$

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ACT of the day!!

What is the difference between the mean and the median of the set {3, 8, 10, 15}

A) 0

B) 1

C) 4

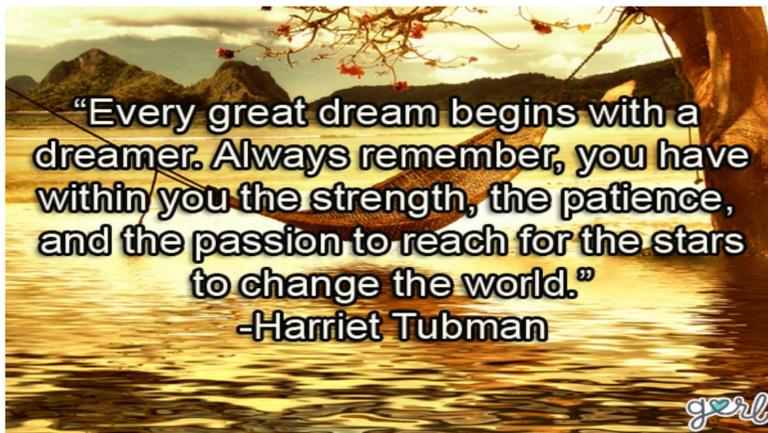
D) 9

E) 12

mean = 9
median = 9

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Factoring Test



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Unit 1 ~ Polynomials

Objective: A.REI.2

Day 11: Solving Rational Equations

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Your Turn: *Solve for n.*
Check for extraneous solutions.

$$\frac{2}{n} + \frac{n+2}{n+1} = \frac{-2}{n^2+n}$$

Exit Ticket

$$4) \frac{b+6}{4b^2} + \frac{3}{2b^2} = \frac{b+4}{2b^2}$$

$$6) \frac{1}{6x^2} = \frac{1}{2x} + \frac{7}{6x^2}$$

