

Quiz
Grab Bubble Sheet and Quiz

Sep 5-9:41 PM

Quiz
Calendar Math
Homework Questions
Go Over Quiz
Unit 1 Review
Test on Unit 1 on 9/8

Sep 5-9:43 PM

Calendar Math
Systematically favoring a particular outcome

the statistic is not equal to the parameter
- undercoverage
- convenience
- nonresponse

Biased

Randomly calling homes during the day to ask how many times homeworker bakes in a week.
- This is undercoverage bias.

Randomly calling homes at the day and evening to conduct our study about baking.

Sep 5-9:42 PM

Statistical study that doesn't favor any particular outcome.

The statistic equals the parameter.
- random
- stratified
- cluster

Non-Biased

Randomly selecting 250 from total population of teen drivers.

Having only 20 of our sample of 250 respond to our survey.
(non-response bias)

Sep 6-9:57 AM

Homework Questions
4) $(4x + 3y)^4$ $a = 4x$ $b = 3y$
 $1a^4 = 1 \cdot (4x)^4 = 256x^4$
 $4a^3b = 4 \cdot (4x)^3 \cdot (3y) = 4(64x^3)(3y) = 768x^3y$
 $6a^2b^2 = 6 \cdot (4x)^2 \cdot (3y)^2 = 6(16x^2) \cdot (9y^2) = 864x^2y^2$
 $4ab^3 = 4 \cdot (4x) \cdot (3y)^3 = 16x(27y^3) = 432xy^3$
 $1b^4 = 1 \cdot (3y)^4 = 81y^4$
 $256x^4 + 768x^3y + 864x^2y^2 + 432xy^3 + 81y^4$

Sep 5-9:42 PM

$(x^4 + y)^5$ $a = x^4$ $b = y$
 $1a^5 = 1 \cdot (x^4)^5 = 1 \cdot x^{20} = x^{20}$
 $5a^4b = 5 \cdot (x^4)^4 \cdot (y) = 5x^{16}y$
 $10a^3b^2 = 10(x^4)^3 \cdot (y)^2 = 10x^{12}y^2$
 $10a^2b^3 = 10(x^4)^2 \cdot (y)^3 = 10x^8y^3$
 $5ab^4 = 5 \cdot (x^4) \cdot (y)^4 = 5x^4y^4$
 $1b^5 = 1 \cdot (y)^5 = y^5$
 $x^{20} + 5x^{16}y + 10x^{12}y^2 + 10x^8y^3 + 5x^4y^4 + y^5$

Sep 6-10:07 AM

$$\begin{aligned} 10) \text{ (t of } x^3) \quad (2x-1)^5 \\ a \quad b \\ |0a^3b^2| \cdot |0(2x)^3 \cdot (-1)^2 \\ = |0 \cdot (8x^3) \cdot 1 \\ = \boxed{80}x^3 \end{aligned}$$

Sep 6-10:12 AM

$$\begin{aligned} 3) (m-5n)^3 \quad a \cdot m \quad b \cdot -5n \\ |a^3| = |1(m)^3| = m^3 \\ 3a^2b: 3 \cdot (m)^2 \cdot (-5n) = 3m^2 \cdot -5n = -15m^2n \\ 3ab^2: 3 \cdot (m) \cdot (-5n)^2 = 3m \cdot 25n^2 = 75mn^2 \\ |b^3| = |1 \cdot (-5n)^3| = -125n^3 \\ m^3 - 15m^2n + 75mn^2 - 125n^3 \end{aligned}$$

Sep 6-10:14 AM

Unit 1 Review
1.1 Add, Subtract and Multiply Polynomials

$$\begin{aligned} 6) (?) - (3r + 2r^2 + r^3) = 8r^4 + r^3 - 2r^2 - 9r \\ ? - 0 = 8r^4 \\ \boxed{8r^4} - 0 = 8r^4 \quad ? : \boxed{8r^4 + 2r^3 - 6r} \\ ? - r^3 = r^3 \\ \boxed{2r^3} - r^3 = r^3 \\ ? - 2r^2 = -2r^2 \\ \boxed{0} - 2r^2 = -2r^2 \\ ? - 3r = -9r \\ \boxed{-6r} \end{aligned}$$

Sep 5-9:43 PM

$$\begin{aligned} 1) 27x^2 + 48y^2 \\ \text{GCF: } 3 \quad \boxed{3(9x^2 + 16y^2)} \\ \boxed{3(3x - 4y)(3x + 4y)} \end{aligned}$$

Sep 6-10:24 AM

$$\begin{aligned} 16) 24u^2 - 375 \\ \text{GCF: } 3 \\ 3(8u^3 - 125) \\ \boxed{3(2u-5)(4u^2 + 10u + 25)} \end{aligned}$$

Sep 6-10:26 AM

$$\begin{aligned} 24) \quad \text{A: l} \cdot \text{w} \\ \text{P: } 2(l+w) \\ \text{w} = (x+1) \quad \boxed{} \\ l = (x^2-2) \quad \begin{array}{c|c} x & 1 \\ \hline x^3 & x^2 \\ -2x & -2 \end{array} \\ \text{A: l} \cdot \text{w} = (x^2-2)(x+1) - 2 \\ \boxed{A = x^3 + x^2 - 2x - 2} * \\ \text{P: } 2((x^2-2) + (x+1)) \\ 2(x^2-2+x+1) = 2(x^2-1+x) = \boxed{2x^2-2+x} * \\ = 2x^2+2x-2 \end{aligned}$$

Sep 6-10:29 AM

1.2 Greatest Common Factor and Factoring Trinomials

Sep 5-9:46 PM

1.3 Sum and Difference of Squares and Cubes

Sep 5-9:46 PM

1.4 Binomial Theorem

Sep 5-9:46 PM

Quiz
Grab Bubble Sheet and Quiz

Sep 5-9:41 PM

Quiz
Calendar Math
Homework Questions
Go Over Quiz
Unit 1 Review
Test on Unit 1 on 9/8

Sep 5-9:43 PM

Calendar Math

Sep 5-9:42 PM

Homework Questions

Sep 5-9:42 PM

Unit 1 Review
1.1 Add, Subtract and Multiply Polynomials

Sep 5-9:43 PM

1.2 Greatest Common Factor and Factoring Trinomials

Sep 5-9:46 PM

1.3 Sum and Difference of Squares and Cubes

Sep 5-9:46 PM

1.4 Binomial Theorem

$$\begin{aligned} (a + b)^0 &= 1 \\ (a + b)^1 &= 1a + 1b \\ (a + b)^2 &= 1a^2 + 2ab + 1b^2 \\ (a + b)^3 &= 1a^3 + 3a^2b + 3ab^2 + 1b^3 \\ (a + b)^4 &= 1a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + 1b^4 \\ (a + b)^5 &= 1a^5 + 5a^4b + 10a^3b^2 + 10a^2b^3 + 5ab^4 + 1b^5 \end{aligned}$$

Sep 5-9:46 PM