

Textbook corrections for Summer 2017

Date	Section	Previous	New
6/7	1.4.2	Changed the subtraction to addition 17 to its additive inverse.	Changed the subtraction to addition <u>and</u> 17 to its additive inverse.
6/7	1.4 Answer 4)	The minuend is $-4$ and the subtrahend is $-6$ .	The minuend is $-4$ and the subtrahend is $-6$ . $-4 + 6 = 2$
6/13	1.7.5	For example, say I started with $\frac{2}{7}$ and knew the common denominator was 35.	For example, say I started with $\frac{4}{7}$ and knew the common denominator was 35.
6/13	1.9.3 a)	$4y + 5 - 2 \Rightarrow$ Began by adding the variable terms so the result will be in standard form.	$4y + 5 + -2 \Rightarrow$ Began by adding the variable terms so the result will be in standard form.
6/13	1.9.3 c)	$-1y + 2y - 15 + 2y + 11 + 6 \Rightarrow$ Wrote the expression as a sum and made the coefficients explicit.	$-1y + 2y + -15 + 2y + 11 + 6 \Rightarrow$ Wrote the expression as a sum and made the coefficients explicit.
6/13	1.9.3 c)	$3y - 15 + 11 + 6 \Rightarrow$ Simplified the variable terms and then the constants. $3y - 2$	$3y + -15 + 11 + 6 \Rightarrow$ Simplified the variable terms and then the constants. $3y - 2$
6/13	1.9.3 #21 answer	$-3x + -3y + 1z + -4z + 2x + -7y = 0$	$-17p + -40p + 11p + 12p + 5p + 29p = 0$
6/19	1.6 #11	The answer was $\frac{8}{3}$	The answer should be $\frac{5}{8}$
6/19	2.6 20)	$\frac{1}{2} > q$	$-\frac{1}{2} > q$ It should be negative one-half
6/27	3.2 Practice 3.2.4 c)	Graphed the points $(0,0)$ , $(2,-8)$ and drew the line.	Graphed the points $(0,0)$ , $(1,-4)$ and drew the line.
6/27	3.3 #8	This is a decreasing function with a negative slope. Used the points $(0,-1)$ and $(6,-5)$ to find the value of the slope is $-\frac{2}{3}$ .	This is a decreasing function with a negative slope. Used the points $(-4,2)$ and $(0,-4)$ to find the value of the slope is $-\frac{3}{2}$ .
6/27	3.4 #4	The y-intercept is $(0,-4)$ . The slope is $-\frac{2}{3}$ . The function is $y = -\frac{2}{3}x - 4$ .	The y-intercept is $(0,-4)$ . The slope is $\frac{2}{3}$ . The function is $y = \frac{2}{3}x - 4$ .
6/29	3.2 #8 a)	Over time the rate of fires has declined.	The longer the person plays, the less money they have left.
6/29	3.2 #11 a)	Average hourly earnings have been increasing since 2007.	The amount left to pay on the loan is decreasing over time.

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7/3	4.4.1 a)	$a) (4y)^3 y^{-7}$ <hr/> $4^3 y^3 y^{-7} \Rightarrow$ Used the power of a product rule. <hr/> $y^{3+-7} = y^{-4} \Rightarrow$ Used the power rule. <hr/> $\frac{1}{y^4} \Rightarrow$ Used the rule for a negative exponent. The base is only the $y$ .	$a) (4y)^3 y^{-7}$ <hr/> $4^3 y^3 y^{-7} \Rightarrow$ Used the power of a product rule. <hr/> $64y^3 y^{-7} \Rightarrow$ Simplified $4^3$ . <hr/> $64y^{3+-7} = 64y^{-4} \Rightarrow$ Used the power rule. <hr/> $\frac{64}{y^4} \Rightarrow$ Used the rule for a negative exponent. The base is only the $y$ .
7/5	4.5.2 The last sentence before the practice.	So $-7$ for example, can be thought of as $-7 \times 1$ and then as $7 \times 10^0$ since $10^0$ is 1.	So $-7$ for example, can be thought of as $-7 \times 1$ and then as $-7 \times 10^0$ since $10^0$ is 1.
7/10	5.7.1	Now, $4a$ would be our " $m$ ", $5b$ would be our " $n$ " and $(4y)^2 - 5^2 = (4y - 5)(4y + 5)$	Now, $4a$ would be our " $m$ ", $5b$ would be our " $n$ " and $(4a)^2 - 5^2 = (4a - 5)(4a + 5)$ .
7/20	6.4.3 Practice problem b)	$-4k^3 (3) kt \sqrt{kt}$ $-12k^4 t \sqrt{kt}$	$-4k^3 (3) kt \sqrt{2kt}$ $-12k^4 t \sqrt{2kt}$
7/20	6.4.4 Practice problem a) the last step	$3y\sqrt{5y}$	$3y\sqrt{10y}$
7/25	6.6 answer #18	$2\sqrt{21} - 10$	$10 - 2\sqrt{21}$
7/25	6.6 answer #32	$x^4 \sqrt{x} + x^3 \sqrt{x} + x^2 \sqrt{x} + x \sqrt{x}$	$x^4 \sqrt{x} + 3x^3 \sqrt{x} + 3x^2 \sqrt{x} + x \sqrt{x}$
7/25	5.9 #11 answer	$\{5, 12\}$	$\{25, 12\}$
7/27	6.8.2 problem #14 answer	$\frac{\sqrt{2h}}{h}$	$\frac{\sqrt{2h}}{2}$
7/29	7.2.2 Example b	$x = \frac{-(-2) \pm \sqrt{(-2)^2 - 4(2)(1)}}{2(2)}$	$x = \frac{-(-2) \pm \sqrt{(-2)^2 - 4(2)(-1)}}{2(2)}$