7-28 NEW

Test 3 Links:

List of notes: 7-8 to 7-10

single link

other NOTES-LINKS:

Quiz 7pt2

7-16

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Solns Q6-Q11

7-28-14

Quiz 7pt 2

key words:

* exponential operations, combine like terms.

* Change ups!

7. $-9x - 2x^2 - 4x^2 + 2x + 8x^3$

"ODD MAN OUT"

$-7x - 6x^2 + 8x^3$

→ descending power (E.C.)

$8x^3 - 6x^2 - 7x$

QUIZ PT 2:

Change up

* = ODD TERMS OUT

(9.)

$$7x^7 + 9x^8 - 6x^4 - 2x^2 + 14 + 4x + 4x - 30$$

$2x^2 \rightarrow -2$

14

$$= -2x^2 + 14 + 7x^7 + 9x^8 - 6x^4 + 4x$$

E.C. descending powers

$$9x^8 + 7x^7 - 6x^4 + 2x^2 + 4x + 14$$

Quiz 8

(3

keywords:

* addition — collect like terms
* distribute — ;
* subtraction
  — collect like terms
* FOIL

* change up (#7):

$D = -16n^2$
$I = +16n^2$
→ cancel

$(8n^2 + 2)(8n^2 - 2)$

$= \boxed{64n^4 - 4}$

$F = 8 \cdot 8 \cdot n^2 \cdot n^2 = 64n^4$
$L = -2 \cdot (2) = -4$

Quiz 9

Keywords: FOIL,

* Addition, subtraction: see Quiz 8.

* Long hand division with and w/o remainder

* Positive exponents:

$$a^{-n} = \frac{1}{a^n}$$

$$\frac{1}{a^{-n}} = a^n.$$

* Scientific notation

Quiz 10
Comment

(5

(4.)

$$x^5y^5 + x^4y^3 + x^3y^3 - x^2y^2$$

$$GCF = x^2y^2$$

$$\Longrightarrow x^5y^5 + x^4y^3 + x^3y^3 - x^2y^2 \cdot 1$$

$$x^2y^2 \cdot x^3y^3 + x^2y^2 \cdot xy + x^2y^2 \cdot xy - x^2y^2 \cdot 1$$

$$x^2y^2 \cdot (x^3y^3 + xy + xy - 1)$$

QUIZ 10

Keywords: GCF and Factor
Factor trinomials
Factor by grouping

$A \cdot B = 0$

$A = 0$ or $B = 0$.

Quiz 11

Transcript.

$A \cdot B = 0 \Rightarrow A = 0$ or $B = 0$

4)

corrections

Qu 8–11 solutions:

5 solution correction Qu 2 9,

Page 9 ⇒ 7–28–14

5(b)

$$x+4$$
$$x+4 \overline{)\, x^2+8x-15}$$
$$-(x^2+4x)\downarrow$$
$$4x-15$$
$$-(4x+16)$$

$\frac{x^2}{x} = x$

$x(x+4)$

$= x^2+4x$

-31 * *

** $-15-16$

$= -31$

B)

Quiz 9 correction

#9 $\frac{3y^{10}}{2x^6}$

Quiz 10 correction

(12) $5x^2 + 18x + 9$

$(5x+3)(x+3)$

CHECK IT:

F O I L

$5x^2 + 15x + 3x + 9$

$18x$

Quiz 10 correction

(14)

$= (x^2-4)\cdot(x^2+4)$

$(x^2-2^2)(x^2+4)$

$(x+2)(x-2)(x^2+4)$