BE-1B MONDAY 11-26-07

① $(2x-1)+(2x-1)$

② $(2x-1)-(2x-1)$

③ $-(2x-1)-(2x-1)$

④ $(2x-1)(2x-1)$ OR $(2x-1)^2$

⑤ FIND GCF: $12x^3y$, $18x^2y^2$

- M/U QUIZ 5
- GRADED QUIZ 5/HOMEWORK REVIEW

multiply
factors → products

$3 \cdot 8 = 24$

$4x(3x+4) = 12x^2 + 16x$

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factor
products → factors

24

4 6

2 2 2 3 → $8 \cdot 3$ plus more!

$12x^2 + 16x$ → FACTORS?

GCF?

$4x$ → $4x(\quad + \quad)$

↑ ↑

WHAT FACTORS ARE LEFT?

$4x(3x + 4)$ ✓

"UNDO" THE D.P.

CH.9-2 FACTORING USING THE DISTRIBUTIVE PROPERTY

FACTOR:

$$12x^3y + 18x^2y^2$$

GCF WHAT'S LEFT WHAT'S LEFT

$$6x^2y(\quad + \quad)$$

$$\boxed{6x^2y(2x + 3y)}$$

HOW CAN YOU CHECK THIS?

$$6x^2y(2x + 3y)$$

$$12x^3y + 18x^2y^2 \quad \checkmark$$

FACTOR: $2x^5y^3 + 4x^2y^2$

$$GCF(\quad + \quad)$$

$$\boxed{2x^2y^2(x^3y + 2)}$$

FACTOR: $9x^2 + 36x$

$9x(x + 4)$

FACTOR: $16xz - 40xz^2$

$8xz(2 - 5z)$

FACTOR: $18cd^2 + 12c^2d + 9cd$

$3cd(6d + 4c + 3)$

HOMEWORK: PAGE 484 # 16-27