

Apr. 16

Warm Up

1) Expand

$$3(2x+5)(x+4)$$

$(bx + 15)$ $(x + 4)$

- 1) GCF
- 2) Simple
- 3) Hard
- 4) diff Sq.
- 5) Perfect Sq. trinomial

2) Factor

a) $30x^4y^7 - 24x^3y - 18x^2y$
 $6x^2y (5x^2y^6 - 4x^1 - 3)$

b) $14a - 12b$
 $2(7a - 6b)$

c) $1 - 64t^2$ Diff of Sq.
 $(1 - 8t)(1 + 8t)$

d) $2x^2 - x - 6$
 1st & last mult
 sign on larger add
 $\begin{array}{r} -12 \\ +1x12 \\ \hline +2x-6 \\ +3x4 \end{array}$

e) $x^2 + 6x + 9$

$2x^2 - 4x + 3x - 6$
 $2x(x - 2) + 3(x - 2)$

$\frac{\text{mult}}{+9} \frac{\text{add}}{+6}$
 $(x+3)(x+3)$

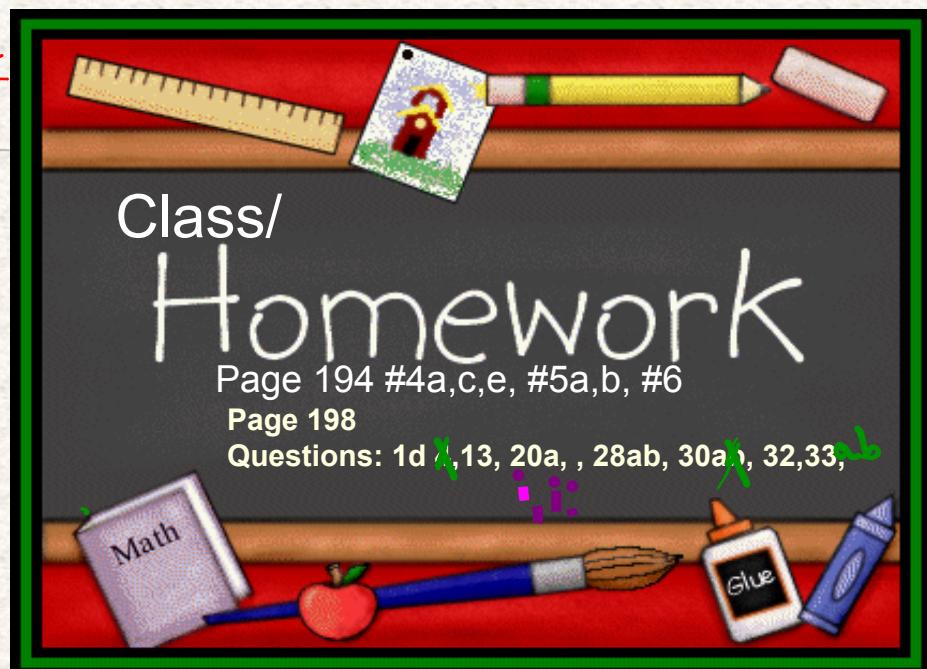
$(x-2)(2x+3)$

1)

$$\begin{aligned} & 3(2x+5)(x+4) \\ & (6x+15) \quad (x+4) \\ & 6x^2 + \underbrace{24x}_{(6x^2 + 39x)} + 15x + 60 \\ & 6x^2 + 39x + 60 \end{aligned}$$

prime

2
3
5
7
11
13
17
19
23
29
31
37
⋮



Attachments

Factoring TEST Review Worksheet (A Mix of Simple Hard & Special).pdf

Day 12.5_ Perfect Squares Test Review _HW Solutions to Day 12.notebook

Chapter 3 Test_2017_TEST REVIEW.doc