Warm Up

Factor each of the following:

$25a^2 - 9b^2$

$(5a-3b)(5a+3b)$

$81w^{16} - 1$

$(9w^8-1)(9w^8+1)$

$(3w^4-1)(3w^4+1)(9w^8+1)$

$100x^2 - 140xy + 49y^2$

$(10x-7y)^2$

Review - Factoring.pdf

Factoring Review Name_____

Math 10 (Numbers, Functions and Relations 10)

Common Factor
Simple Tri.
Hard Tri.
Perf. Sq. Tri
Diff of Sq.

Factor the common factor out of each expression.

1) $20r^5 + 4r^2 - 40$ SchGab

2) $-5x^3 - 5x^2 - 5x$

3) $12n^5 - 48n^2 + 42n$

4) $-56a^7 + 48a^6 + 16a^3$

Factor each completely.

5) $x^2 + x - 56$

6) $6n^2 - 6n - 120$

7) $4k^2 - 24k - 28$

8) $x^2 - 3x - 18$

9) $b^2 - 7b - 8$

10) $a^2 + 13a + 30$

11) $30n^2 - 24n - 72$

12) $5x^2 - 21x - 54$

13) $16n^2 - 164n + 288$

14) $54x^2 - 90x$

15) $4x^2 + 6x$

16) $6n^2 - 5n + 1$

17) $4r^2 + 7r - 2$

18) $4n^2 - 4n - 35$

19) $6v^2 - 14v$

$-x- = 270$
$-+- = -21$

Answers to Math 10 (Numbers, Functions and Relations 10)

1) $4(5r^5 + r^2 - 10)$
2) $-5x(x^2 + x + 1)$
3) $6n(2n^4 - 8n + 7)$
4) $8a^3(-7a^4 + 6a^3 + 2)$
5) $(x + 8)(x - 7)$
6) $6(n - 5)(n + 4)$
7) $4(k + 1)(k - 7)$
8) $(x - 6)(x + 3)$
9) $(b - 8)(b + 1)$
10) $(a + 3)(a + 10)$
11) $6(5n + 6)(n - 2)$
12) $(5x + 9)(x - 6)$
13) $4(n - 8)(4n - 9)$
14) $18x(3x - 5)$
15) $2x(2x + 3)$
16) $(3n - 1)(2n - 1)$
17) $(r + 2)(4r - 1)$
18) $(2n + 5)(2n - 7)$
19) $2v(3v - 7)$

Attachments

Worksheet - Sketching Angles in Radians.doc

Warm-Up - Intro to Limits.docx

Review - Factoring.pdf