9-19-19 4th Trig

Factor x^2-25

$x^2+0x-25$ 25: 1,25 −5,5

$(x-5)(x+5)$

1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121

Ch. 2 PT 1 Questions

(25) $\frac{x-4}{x^2-13x+30}$

$x^2-13x+30 \neq 0$ 30: 1,30 2,15 −3,−10

$(x-3)(x-10) \neq 0$

$x-3 \neq 0$ $x-10 \neq 0$

$x \neq 3$ $x \neq 10$

(6) $4x^2+12xy+9y^2$

$4x^2+12x+9$ 4: 1,4 2,2 — 9: 1,9 3,3

13 $(x+1)(4x+9)$

37 $(x+9)(4x+1)$

15 $(x+3)(4x+3)$

20 $(2x+1)(2x+9)$

12 $(2x+3y)(2x+3y)$

(26) $a-3 \overline{)\, a^2+a-12}$ $\quad a+4$

$-(a^2-3a)$

$4a-12$

$-(4a-12)$

0

(36) $9n^2+\square n+16$

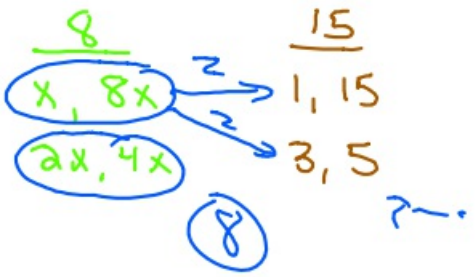
9: 1,9 3,3 — 16: 1,16 2,8 4,4

(8)

(13) $27n^3y - 18ny$

$9ny(3n^2 - 2)$

$8n^2 + \square n + 15$



$10x^2 + \square x + 6$

$5x^2 + \square x + 12$

$9x^2 + \square x + 10$

$8x^2 + \square x + 20$

$7x^2 + \square x + 12$