3/1 Subtracting Polynomials Oct 5

5. $(3x-5) - 1(x+2)$

$= 3x - 5 - x - 2$

$= 2x - 7$

7. $(x+4) - 1(-x - 3)$

$= x + 4 + x + 3$

$= 2x + 7$

15. $(2y^2 + 3y - 5) - 1(2y^2 + 4y + 6)$

$= 2y^2 + 3y - 5 - 2y^2 - 4y - 6$

$= y - 11$

18. Subtract $3x^2+7x-3$ from $2x^2-2x+3$

$*$ $(2x^2-2x+3)-1(3x^2+7x-3)$

$= 2x^2-2x+3-3x^2-7x+3$

$= -x^2-9x+6$

21. $(-5n^2-n-8)-1(-2n^2+7n-3)$

$= -5n^2-n-8+2n^2-7n+3$

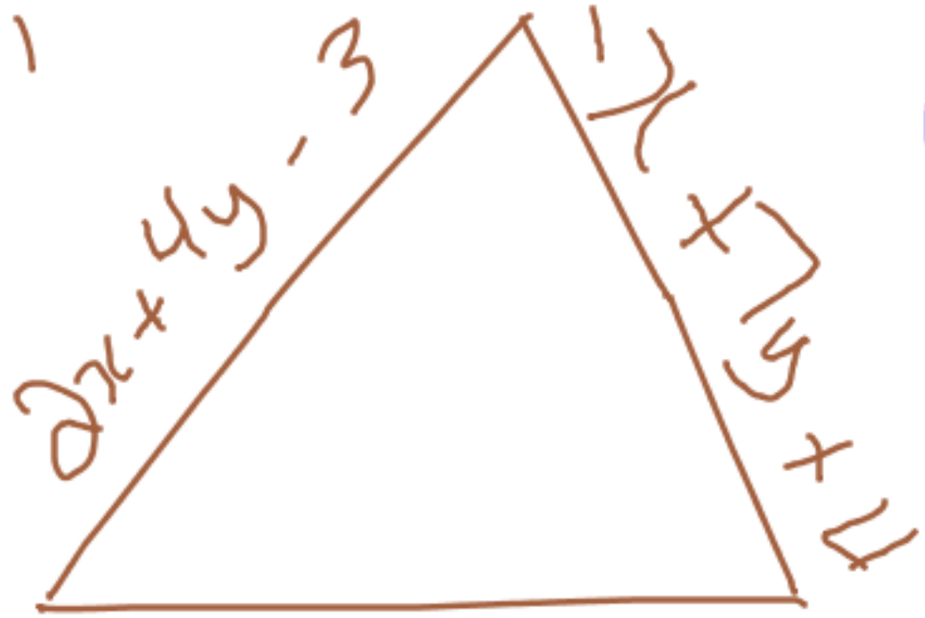
$= -3n^2-8n-5$

24. $(x^2+5x+3)-1(-x^2-7x+11)$

$= x^2+5x+3+x^2+7x-11$

$= 2x^2+12x-8$

2(c)



Missing Side $= P - (S_1 + S_2)$

M.S. $= 5x+3y-2-(2x+4y-3+-x+7y+4)$

M.S. $= 5x+3y-2-(x+11y+1)$

M.S. $= 5x+3y-2-x-11y-1$

$P = 5x+3y-2$ M.S. $= 4x-8y-3$

Find: the missing side

$\therefore$ the missing side is $(4x-8y-3)$ units

p. 314-15 Distributive Property

2. $2(3x+21)$

$= 6x + 4$

5. $7(x-1)$

$= 7x - 7$

3. $2(7x-2)$

$= 3x - 6$

8. $4(m-5)$

$= 4(m-20)$

11. $10(d+2)$

$= 10d + 20$

Homework: Subtracting Polynomials

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