

Name: _____

Key

Date: _____

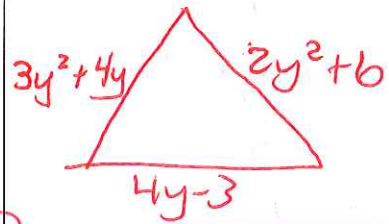
Period: _____

$$-4a^3b^2y(2a^2y - ab + y^4)$$

$$-8a^5b^2y^2 + 4a^4b^3y - 4a^3b^2y^5$$

$$-3a^7b^5(a^2b - 2ab^3 + b)$$

$$-3a^9b^6 + 6a^8b^8 - 18a^7b^5$$



$$5y^2 + 8y + 3$$

Isosceles

$$6y^2 + 12y - 3$$

$$(4x - 3)(4x + 3)$$

	4x	-3	
4x	16x ²	-12x	
+3	12x	-9	

$$16x^2 - 9$$

multiply

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

$$-15x^3 - 6x^2 + 12x$$

Evaluate

$$2x^4y^2 - 2x$$

$$x = -4 \quad y = 3$$

$$2(-4)^4(3)^2 - 2(-4)$$

$$2(256)(9) + 8$$

$$4608 + 8$$

$$4616$$

Evaluate

$$2x^4 - 2y^2z$$

$$x = -2 \quad y = 3 \quad z = -1$$

$$2(-2)^4 - 2(3)(-1)$$

$$50$$

area square

$$(x + 5)^2$$

$$A = (x + 5)^2$$

$$x^2 + 5x + 5x + 25$$

$$x^2 + 10x + 25$$

area

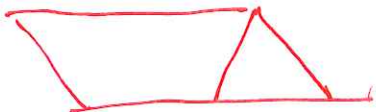
$$(2x - 1)(2x - 4)$$

$$A = lw$$

$$(2x - 1)(2x - 4)$$

$$4x^2 - 8x - 2x + 4$$

$$4x^2 - 10x + 4$$



$$3x^2 - 6x + 9 + (-2x^2) = x^2 - 6x + 9$$

$P = 10x + 6y$ \triangle

$10x + 6y = ? + (2x + 4y) + (5x - y)$

$10x + 6y = ? + 7x + 3y$

$-7x - 3y$

$3x + 3y = ?$

Perimeter $\textcircled{2}$

$(3x^3 - 2x + 5)$ and $(2x^2 - 2x - 4)$

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

$6x^3 + 4x^2 - 8x + 2$

Algebra tiles $\textcircled{2}$

Factored: $(3x - 5)(x - 2)$

Standard: $3x^2 - 11x + 10$

Product

$(3x - 4)^2$

$(3x - 4)(3x - 4)$

$9x^2 - 12x - 12x + 16$

$9x^2 - 24x + 16$

Equip. Expression

$4(x - 1) - 6(x^2 + 2x - 4)$

$4x - 4 - 6x^2 - 12x + 24$

cut

$6x^2 - 8x + 20$

Equip. Expression

$6(d^2 - 1) - 2(d^2 - 1)$

$6d^3 - 6d - 2d^2 + 2$ cut

$6d^3 - 2d^2 - 6d + 2$

Given:

$(x + 3)(x - 6)$

Identify: $(0, -18)$

a. y-int $(0, -18)$

$y = (0 + 3)(0 - 6)$

$y = -18$

b. zero (x-intercepts)

$(-3, 0)$ and $(6, 0)$

c. vertex

$(-\frac{b}{2a}, y)$ from standard

$x^2 - 3x - 18$

Find area of shaded $\textcircled{2}$

$25t^2 - (t^2 - 2t)$

$24t^2 + 2t$

Find area of shaded $\textcircled{2}$

$A_1 = 16x^2 + 8x - 3$

$A_2 = \frac{(x-1)(3x)}{2}$

$A_2 = \frac{3x^2 - 3x}{2}$

$A_2 = 1.5x^2 - 1.5x$

$A = 14.5x^2 + 6.5x - 3$

$-\frac{(-3)}{2(1)} = \frac{3}{2} = 1.5$

$y = (1.5)^2 - 3(1.5) - 18$

$y = -20.25$

$(1.5, -20.25)$