

$$42. \quad 2a^2 - 4ab + 5ab - 10b^2 \\ = 2a^2 + ab - 10b^2$$

$$43. \quad 10.6c^2 - 2.3c + 5.9c - 1.9c^2 \\ = 10.6c^2 - 1.9c^2 - 2.3c + 5.9c \\ = 8.7c^2 + 3.6c$$

$$44. \quad 4.3 - 3.2x - 2(x - 2) \\ = 4.3 - 3.2x - 2x + 4 \\ = -3.2x - 2x + 4.3 + 4 \\ = -5.2x + 8.3$$

$$45. \quad w^3 + w^2 - w + 1 \text{ cannot be further simplified} \\ \text{since all of the terms are "unlike".}$$

$$46. \quad 7x^3y^2 + 11y^3x^2 \text{ cannot be simplified since all of} \\ \text{the terms are "unlike".}$$

$$47. \quad 8pq - 9pq + p + q \\ = -pq + p + q$$

$$48. \quad b + b^2 - 4b + b^2 + 3b \\ = b^2 + b^2 + b - 4b + 3b \\ = 2b^2 + 0b \\ = 2b^2$$

$$49. \quad 12\left(\frac{1}{6} + \frac{d}{4}\right) + 5d \\ = 12 \cdot \frac{1}{6} + 12 \cdot \frac{d}{4} + 5d \\ = \frac{12}{6} + \frac{12d}{4} + 5d \\ = 2 + 3d + 5d \\ = 2 + 8d = 8d + 2$$

$$50. \quad 60\left(\frac{7}{15}x - \frac{3}{4}\right) - 2x = 60 \cdot \frac{7}{15}x - 60 \cdot \frac{3}{4} - 2x \\ = \frac{420}{15}x - \frac{180}{4} - 2x \\ = 28x - 45 - 2x \\ = 28x - 2x - 45 \\ = 26x - 45$$

$$51. \quad 8\left(\frac{7}{8}x + 3\right) + 5x - 7 = 8 \cdot \frac{7}{8}x + 8 \cdot 3 + 5x - 7 \\ = \frac{56}{8}x + 24 + 5x - 7 \\ = 7x + 24 + 5x - 7 \\ = 7x + 5x + 24 - 7 \\ = 12x + 17$$

$$52. \quad -4\left(\frac{3}{4}x - 5\right) + 7x - 1 = (-4)\frac{3}{4}x - (-4)5 + 7x - 1 \\ = \frac{-12}{4}x + 20 + 7x - 1 \\ = -3x + 20 + 7x - 1 \\ = -3x + 7x + 20 - 1 \\ = 4x + 19$$

$$53. \quad 4 - [6(3x + 2) - x] + 4 \\ = 4 - [18x + 12 - x] + 4 \\ = 4 - [17x - 12] + 4 \\ = 4 - 17x - 12 + 4 \\ = 4 - 12 + 4 - 17x \\ = -4 - 17x \\ = -17x - 4$$

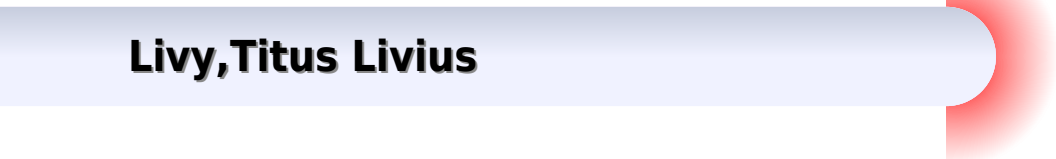
$$54. \quad -9 + 3[4(2x - 3) - 5x] + 2x \\ = -9 + 3[8x - 12 - 5x] + 2x \\ = -9 + 3[3x - 12] + 2x \\ = -9 + 9x - 36 + 2x \\ = 9x + 2x - 36 - 9 \\ = 11x - 45$$

$$55. \quad 9x - [3x - (5x - 4y)] - 2y \\ = 9x - [3x - 5x + 4y] - 2y \\ = 9x - [-2x + 4y] - 2y \\ = 9x + 2x - 4y - 2y \\ = 11x - 6y$$

$$56. \quad -2[3x - (2y - 1) - 5x] + y \\ = -2[3x - 2y + 1 - 5x] + y \\ = -2[3x - 5x - 2y + 1] + y \\ = -2[-2x - 2y + 1] + y \\ = 4x + 4y - 2 + y \\ = 4x + 4y + y - 2 \\ = 4x + 5y - 2$$

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web c this picture of whale evolution was about all we had until 1983 when the first of a series of discoveries began to fill the empty gap between land animals and whales that first discovery reported by whale specialist philip gingerich and others was pakicetus place the pakicetus strip 3 on the timeline

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web fill out the chart below with your answers to each structure by placing an x under the organism whose structure is more similar to the whale's structure fish cat x ears x eyes x lungs x forelimb x jaw x mammary gland 7

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web fill out the chart below with your answers to each structure by placing an x under the organism whose structure is more similar to the whale's structure fish cat ears x eyes x lungs x forelimb x jaw x mammary gland x