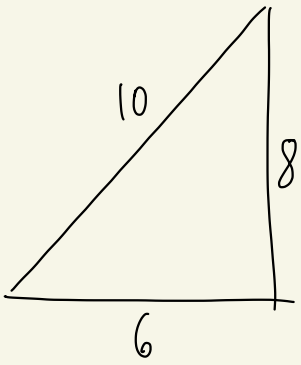

$A = \frac{1}{2}bh$

$A = \frac{1}{2}(6)(8) = \frac{1}{2}(48) = \boxed{24}$

$5\frac{1}{6} + 7\frac{1}{3}\ell \leq 60$

$3^4 = 3 \cdot 3 \cdot 3 \cdot 3 = \boxed{81}$

$\cup$

$9 / 27 / 81$

$7 + 1.25t = 43.25$

$\boxed{1.25t + 7 = 43.25}$

$1.25t + 7 = 43.25$

$-7 \quad -7$

$\frac{1.25t}{1.25} = \frac{36.25}{1.25}$

$t = 29$

$y = 8x + 3$

$11 = 8(1) + 3$

$11 = 8 + 3$

$\boxed{11 = 11}$

$-5 = 8(-1) + 3$

$-5 = -8 + 3$

$\boxed{-5 = -5}$

$\frac{6}{5} \div \frac{5}{8}$

$\frac{6}{5} \cdot \frac{8}{5} = \frac{48}{25}$

$(2x+5)(2x-5)$

$4x^2 - \cancel{10x + 10x} - 25$

$\boxed{4x^2 - 25}$

$\frac{8}{k-7} = \frac{2}{5}$

$4^x - 3^x \quad 4^2 - 3^2$

$x = 2 \quad 16 - 9 = \boxed{7}$

$7r - \frac{15}{5} \qquad r = 3, s = 5$

$7(3) - \frac{15}{(5)} = 21 - \frac{15}{5} = 21 - 3 = \boxed{18}$

$(-4b^2 + 8b) + (-4b^3 + 5b^2 - 8b)$

$-4b^3 + 5b^2 - \cancel{8b}$

$\quad -4b^2 + \cancel{8b}$

$-4b^3 + b^2$

$\frac{5^{-6}}{5^{-4}} = \frac{5^4}{5^6} = 5^{-2}$

$= \boxed{\frac{1}{5^2}}$

$10 - 9 \times (-6)$

$10 + 54$

$\boxed{64}$

$$(y^3 \cdot 2^5)^2 = y^{3\cdot 2} \cdot 2^{5\cdot 2} = y^6 \cdot 2^{10}$$

$$(3^3 \cdot 6^6)^{-3} = 3^{3\cdot -3} \cdot 6^{6\cdot -3} = 3^{-9} \cdot 6^{-18} = \boxed{\frac{1}{3^9 \cdot 6^{18}}}$$

$$7.4z - 5(-1.6z + 2.4)$$

$$7.4z + 8z - 12$$

$$\boxed{15.4z - 12}$$

$$(-5b^2 - 8b) - (-9b^3 - 5b^2 - 8b)$$

$$-5b^2 - 8b + 9b^3 + 5b^2 + 8b$$

$$\boxed{9b^3}$$

$$15k^4 + 35k^3 + 20k^2$$

$$5k^2(3k^2 + 7k + 4)$$

$$\boxed{\begin{array}{l}\text{width} = 5k^2 \\ \text{length} = 3k^2 + 7k + 4\end{array}}$$

$$53w + 13 < 56w + 16$$

$$-53w \qquad -53w$$

$$13 < 3w + 16$$

$$-16 \qquad -16$$

$$\frac{-3}{3} < \frac{3w}{3}$$

$$-1 < w$$

$$\boxed{w > -1}$$

$-3x^2 + 17x - 20$

$-3 \cdot -20 = 60$

$x + y = 17$

$12 + 5 = 17$

$12 \cdot 5 = 60$

$(-3x^2 + 12x) + (5x - 20)$

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

$\boxed{(-3x + 5)(x - 4)}$